

REMARKS: WELL LOG ELECTRIC LOGS ☒ ☐ X WATER SANDS LOCATION INSPECTED ☐ SUB. REPORT/abd.

971117 cont exp: 971203 Equitable to Inland eff. 9-30-97.

DATE FILED JUNE 25, 1996

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **U-74808** INDIAN

DRILLING APPROVED: JULY 22, 1996

SPUDED IN: AUGUST 27 1996

COMPLETED: 10/1/96 POK PUT TO PRODUCING:

INITIAL PRODUCTION: 83 BbL, 23 mcf, 2 BbL

GRAVITY A.P.I. 34

GOR. 277

PRODUCING ZONES: 4204-50105' MRRV

TOTAL DEPTH: 5850'

WELL ELEVATION: 6912' AL

DATE ABANDONED:

FIELD. MONUMENT BUTTE

UNIT:

COUNTY: DUCHESNE

WELL NO. MONUMENT FEDERAL 31-5-9-17 API NO. 43-013-31680

LOCATION 792 FNL FT. FROM (N) (S) LINE, 1939 FEL FT. FROM (E) (W) LINE. NW NE 1/4 - 1/4 SEC. 5

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	17E	5	EQUITABLE RESOURCES Inland Prod. Co.

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humburg
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Horsebench ss	Dakota	Park City	McCracken
2nd garden quch	Burro Canyon	Rico (Goodridge)	Aneth
Yellow mkr	Cedar Mountain	Supai	Simonson Dolomite
Dark	Buckhorn	Wolfcamp	Sevy Dolomite
2nd Dark	JURASSIC	CARBON I FEROUS	North Point
green mkr	Morrison	Pennsylvanian	SILURIAN
Black shale	Salt Wash	Oquirrh	Laketown Dolomite
Carbonate mkr	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company

3. ADDRESS OF OPERATOR

1601 Lewis Avenue; Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

NW NE Section 5, T9S, R17E

792' FNL, 1939' FEL

At proposed prod. zone

241

591

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

From Myton, UT approximately 10 mi SW

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

232.46

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5850'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,218' GL

22. APPROX. DATE WORK WILL START*

June 1, 1996

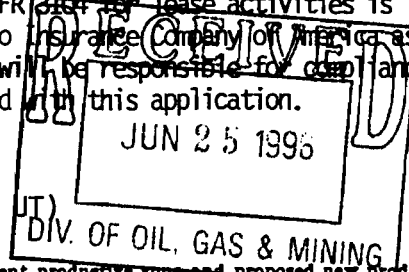
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached	Drilling Program/Casing Design			

Operator intends to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3164 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.



ORIGINAL: Bureau of Land Management (Vernal, UT)

COPY; Utah Division of Oil, Gas and Mining (Salt Lake City, UT)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Bobbie Schuman
Bobbie Schuman

TITLE

Regulatory and
Environmental Specialist

DATE April 17, 1996

(This space for Federal or State office use)

PERMIT NO.

43-013-31680

APPROVAL DATE

APPROVED BY

J. B. Nathan

TITLE

Drilling Engineer

DATE

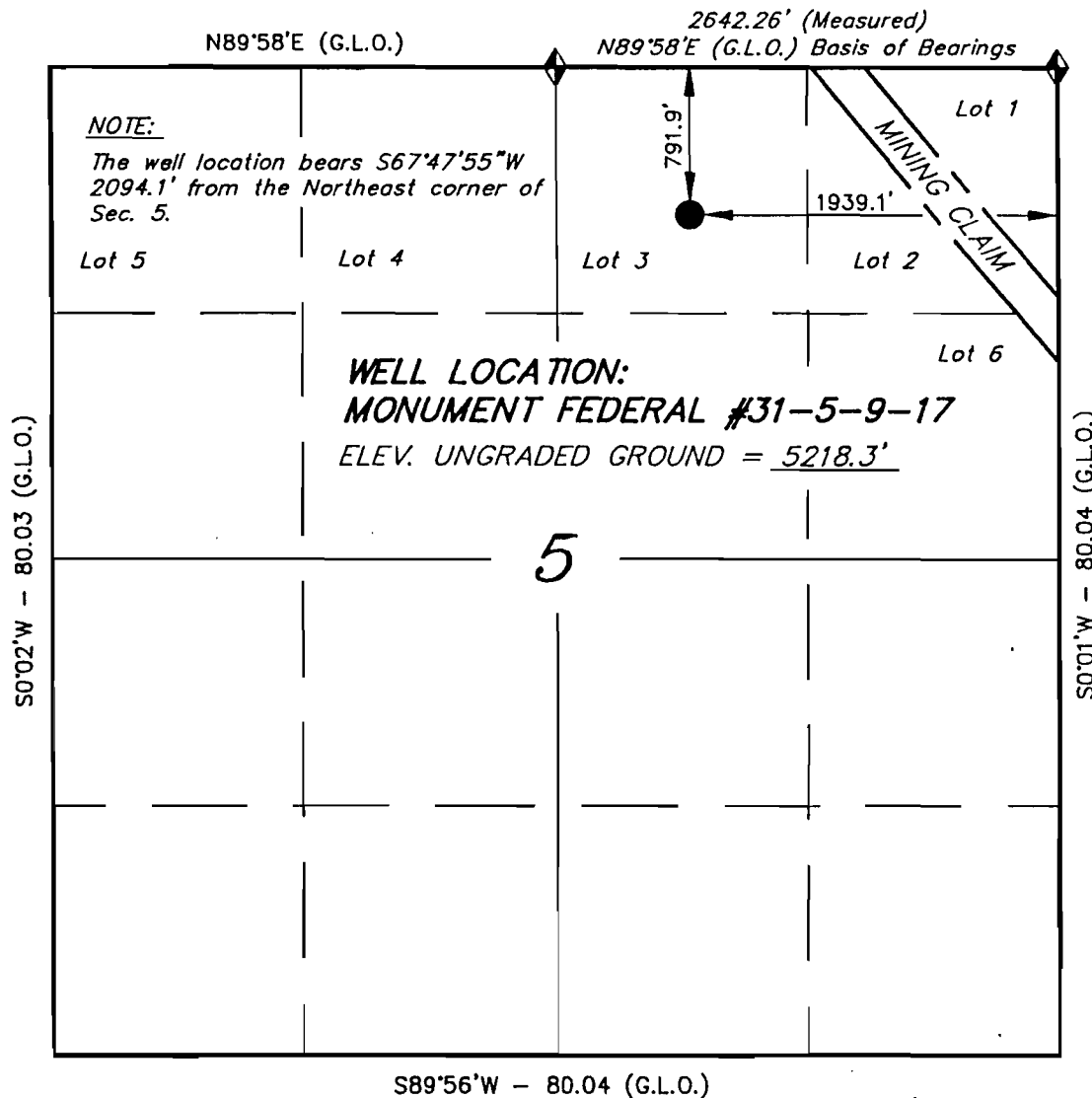
2/22/96

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

T9S, R17E, S.L.B.&M.

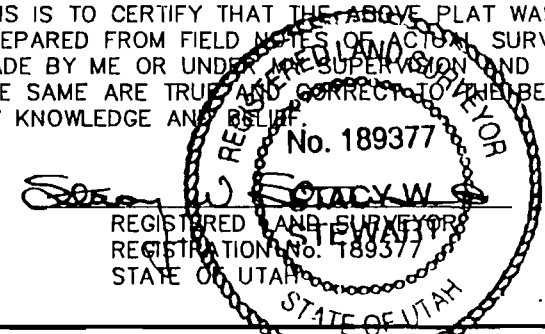
EQUITABLE RESOURCES ENERGY CO.



WELL LOCATION, MONUMENT FEDERAL #31-5-9-17, LOCATED AS SHOWN IN LOT 3 OF SECTION 5, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078
(801) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: S.S. D.S.

DATE: 2-29-96

WEATHER: WINDY & COLD

NOTES:

FILE #

= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

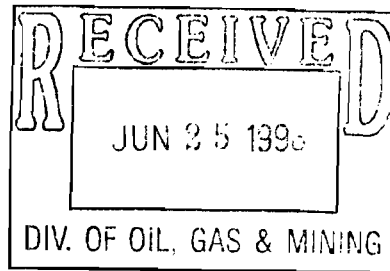


EQUITABLE RESOURCES
ENERGY COMPANY

WESTERN REGION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒



June 24, 1996

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

---VIA FEDERAL EXPRESS---

Gentlemen:

RE: Monument Federal #31-5-9-17
NW NE Section 5, T9S, R17E
Duchesne County, Utah

Enclosed is our application for permit to drill (APD) the subject well.

Please feel free to contact me if you require any additional information.

Sincerely,

Molly Conrad

Molly Conrad
Operations Secretary

/mc

Enclosures

cc: ; State of Utah, Division of Oil, Gas & Mining

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AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.

Equitable Resources Energy Company,
Balcron Oil Division
1601 Lewis Avenue
Billings, MT 59102
(406) 259-7860

EXHIBITS

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM

6/19/95

PROPOSED DRILLING PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY

Monument Federal #31-5-9-17

SE NE Section 5, T9S, R17E

Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.

- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.

- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

B

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
MONUMENT FEDERAL #31-5-9-17
NW NE SECTION 5, T9S, R17E
DUCHESNE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)

- A. The proposed well site is staked and two reference stakes are present. 200' & 250' East.
- B. The Monument Federal #31-5-9-17 is located 10 miles Southwest of Myton Utah in the NW1/4 NE1/4 Section 5, T9S, R17E, SLB&M, Duchesne County, Utah. To reach the 31-5-9-17, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 10.1 miles to a road intersection, turn right and continue 0.5 miles to road intersection. Turn left and proceed 0.1 miles to the proposed access road sign. Follow flags 0.2 miles to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B"

Approximately 0.2 miles of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - Less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - none.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts

will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

K. If a right-of-way is required please consider this APD the application for said right-of-way.

3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout is included in this APD.
- 3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having

a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.
- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the

beginning of drilling operations.

- B. No water well will be drilled on this location.

6. Source of Construction Materials

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. There are no trees on this location.

7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with Onshore Order #7, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be on the South side of location. Access will be from the West near corner #7.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A completion rig will be moved onto location for completion operations after drilling operations have been completed and the drilling rig has been moved off location.
- D. A diagram showing the proposed production facility layout is included in this APD.
- E. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- F. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
 - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
 - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- G. Any hydrocarbons on the pit will be removed from the pit as soon as possible after completion operations are completed.

10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. The plastic pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources

Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 15 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 15 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
 - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeding operations will be performed in the fall or spring following completion of reclamation operations.

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management
Vernal District Office
Vernal, Utah

12. Other Information:

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 13 miles Southwest of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML)

type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
 - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 - 2. There are no occupied dwellings in the immediate area
 - 3. An archaeological report will be forwarded upon completion.
 - 4. There are no reported restrictions or reservations noted on the oil and gas lease.
 - 5. A silt catchment dam will not be required for this location.

13. Lessee's or Operator's Representative:

Equitable Resources Energy Company
1601 Lewis Avenue
P.O. Box 21017
Billings, Montana 59104
(8:00 a.m. to 5:00 p.m.)
(406)259-7860
FAX: (406)245-1361

Dave McCoskery,

Home (406)248-3864

Dale Griffin,

Home (303)824-3323

14. certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

6-24-96
Date

Bobbie Schuman
Bobbie Schuman
Coordinator of Environmental
and Regulatory Affairs
Equitable Resources Energy Co.

Well Prognosis

Well Name Monument Federal #31-5-9-17				Control Well	
Location NW/NE Section 5-T9S-R17E (792 FNL, 1939 FEL)				Operator EREC	
County/State Duchesne County, Utah				Well Name Allen Fed. 21-5	
Field Monument Butte		Well Type Dev.		Location NE/NW Sec. 5-T9S-R17E	
GL (Ung)	5218	EST. KB	5227	Total Depth	5850
				KB 5245	

Formation Tops		Prognosis		Sample Top		Control Well	High/Low	
Formation	Depth	Datum	Depth	Datum	Datum	Prog	Control	Deviation
UINTA	surface							
GREEN RIVER	1563	3664			3684			
HORSE BENCH SS	2280	2947			2967			
2ND GARDEN GULCH	3947	1280			1300			
Y-1 (PAY)	4197	1030			1050			
YELLOW MARKER	4562	665			685			
DOUGLAS CREEK MKR	4725	502			522			
R-2 (PAY)	4809	418			438			
R-5 (PAY)	4904	323			343			
GREEN MARKER	5066	161			181			
G-1L (PAY)	5114	113			133			
G-4 (PAY)	5236	-9			11			
CARBONATE MARKER	5583	-356			-336			
TD	5850							

Samples	DST,s	Wellsite Geologist
50' FROM 1500' TO 4100'	DST #1 NONE	Name: _____
20' FROM 4100' TO TD	DST #2 _____	From: _____ To: _____
5' THROUGH EXPECTED PAY	DST #3 _____	Address: _____
5' THROUGH DRILLING BREAKS	DST #4 _____	Phone # _____ wk.
		hm.

Logs	Cores	
DLL FROM SURF CSNG TO TD	Core #1 _____	Fax # _____
LDT/CNL FROM 4100' TO TD	Core #2 _____	
_____	Core #3 _____	Mud Logger
_____	Core #4 _____	Company: _____

Comments:	From: 1500 To: TD Type: _____ Logger: _____ Phone # _____ Fax # _____
------------------	---

Report To:	1st Name: DAVE BICKERSTAFF	Phone # (406)259-7860	wk. (406)245-2261	hm.
	2nd Name: KEVEN REINSCHMIDT	Phone # (406)259-7860	wk. (406)248-7026	hm.
Prepared By:	DAVE BICKERSTAFF	Phone # _____	wk. _____	hm. _____



EQUITABLE RESOURCES
ENERGY COMPANY
WESTERN REGION

DRILLING PROGRAM

WELL NAME: Monument Federal #31-5-9-17 DATE: 5-21-96
PROSPECT/FIELD: Monument Butte
LOCATION: NW/NE Section 5 Twn.9S Rge.17E
COUNTY: Duchesne
STATE: Utah

TOTAL DEPTH: 5850'

HOLE SIZE INTERVAL

12 1/4"	Surface to 260'
7 7/8"	260' to 5850'

CASING

INTERVAL

CASING

STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0'	260'	8 5/8"	24	J55
Production Casing	0'	5850'	5 1/2"	15.50	K55

CEMENT PROGRAM

Surface Casing	150 sacks class"G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surface.)
Production Casing	250 sacks Thrifty Lite and 400 sacks 50-50 Poz. (Actual cement volumes will be calculated from caliper log with cement top at 2000')

PRELIMINARY DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and Air Mist	0'	260'	N.A.	N.A.	N.A.
Air/Air Mist/KCl wtr	260'	T.D.	8.7-8.9	N.A.	N.A.

COMMENTS

1.) No cores or tests are planned for this well.

EQUITABLE RESOURCES ENERGY COMPANY

Operator: EREC	Well Name: Monument Fed. 31-5
Project ID:	Location: Duchesne, Utah

Design Parameters:

Mud weight (8.90 ppg) : 0.462 psi/ft
 Shut in surface pressure : 2651 psi
 Internal gradient (burst) : 0.009 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	5,850	5.500	15.50	J-55	ST&C	5,850	4.825

	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2705	4040	1.494	2705	4810	1.78	90.68	202	2.23 J

Prepared by : *McCoskery, Billings, Montana*

Date : 05-21-1996

Remarks :

Minimum segment length for the 5,850 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.10, and a mean gas temperature of 115°F (Surface 74°F , BHT 156°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and 2,705 psi, respectively.

NOTE : The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

EXHIBIT E

- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

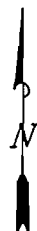
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93
Revised 12/7/93
/rs



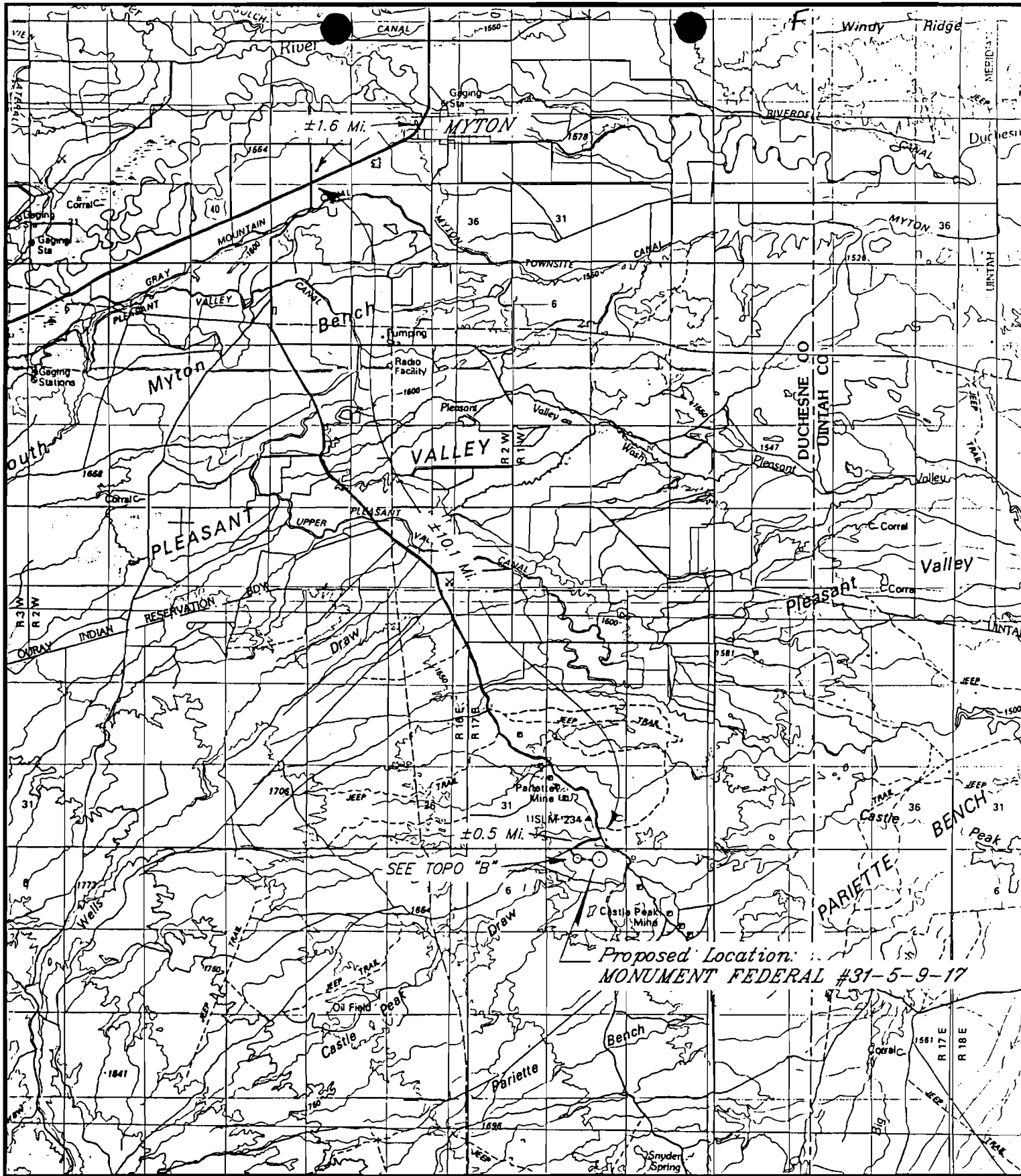
EQUITABLE RESOURCES CO.

MONUMENT FEDERAL #31-5-9-17
SEC. 5, T9S, R17E, S.L.B.&M.
TOPO "B"



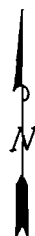
SCALE: 1" = 2000'

Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078



EQUITABLE RESOURCES CO.

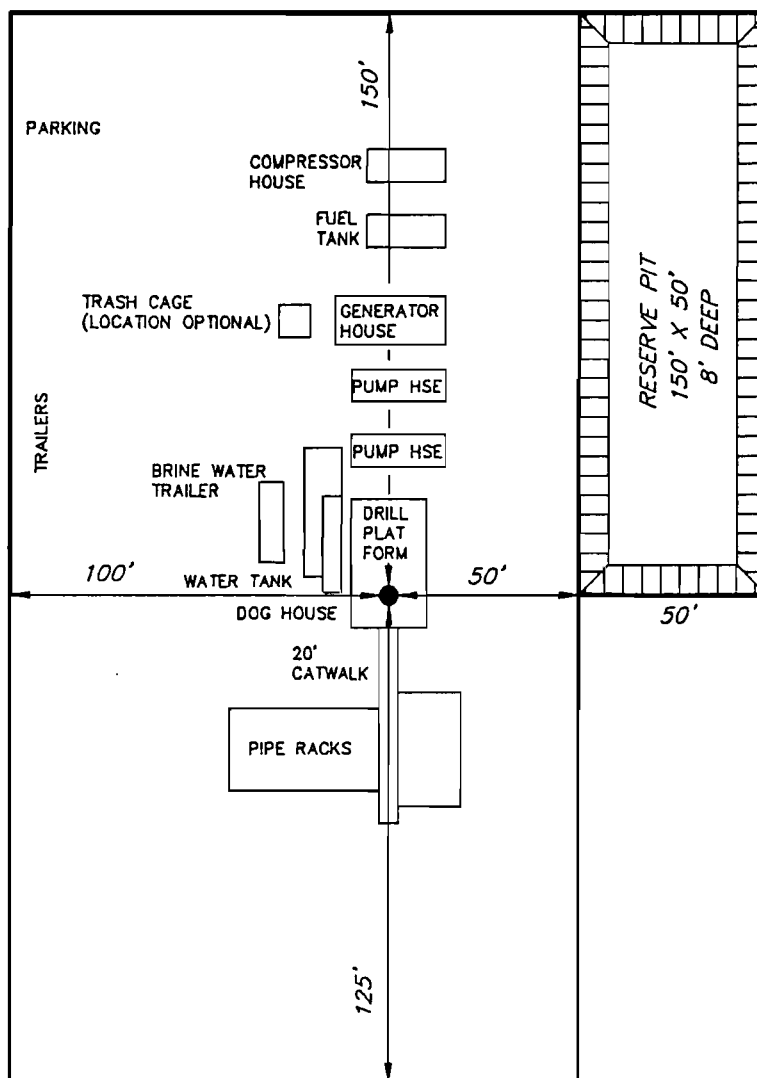
MONUMENT FEDERAL #31-5-9-17
SEC. 5, T9S, R17E, S.L.B.&M.
TOPO "A"



Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

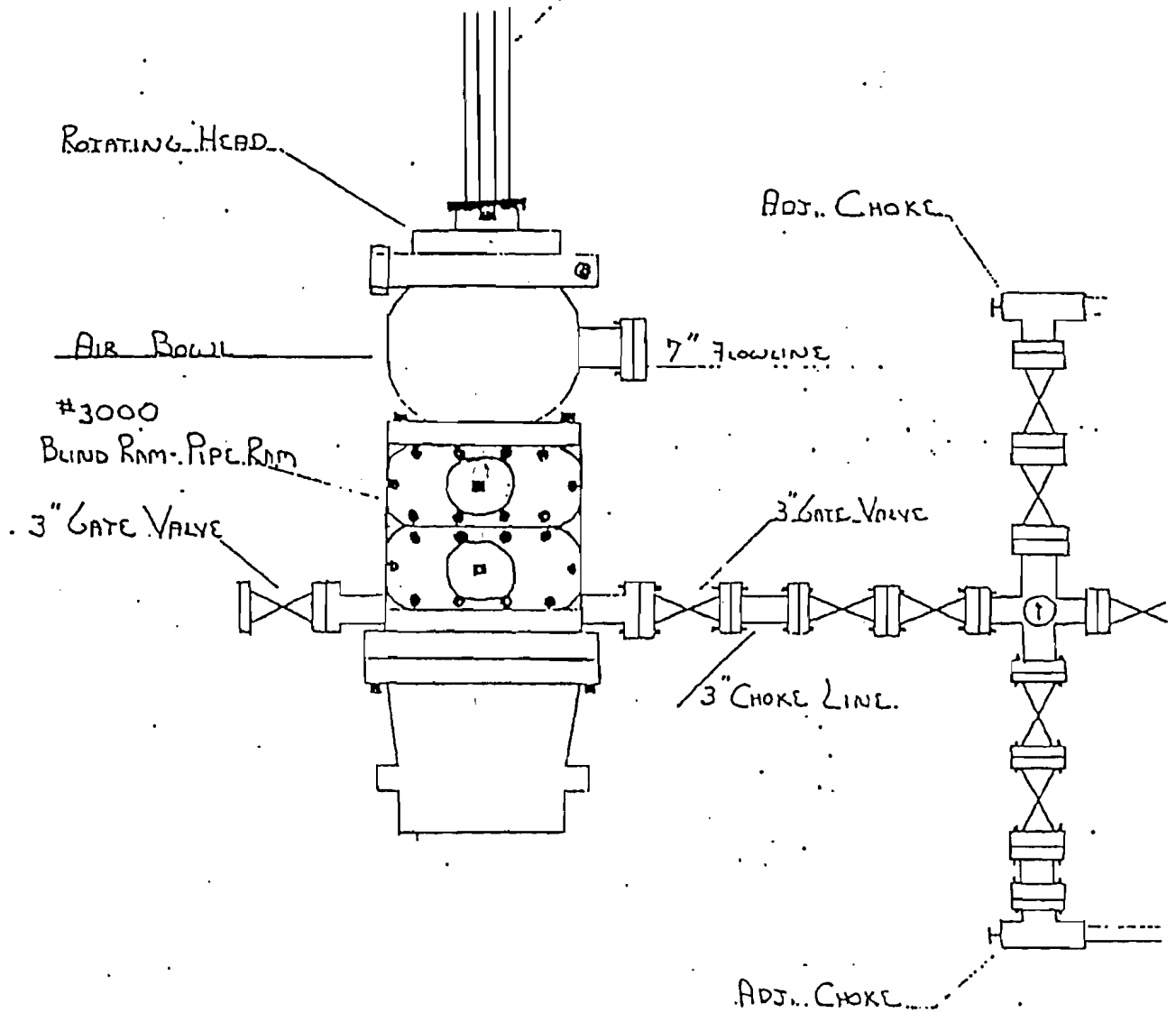
TYPICAL RIG LAYOUT

MONUMENT FEDERAL #31-5-9-17

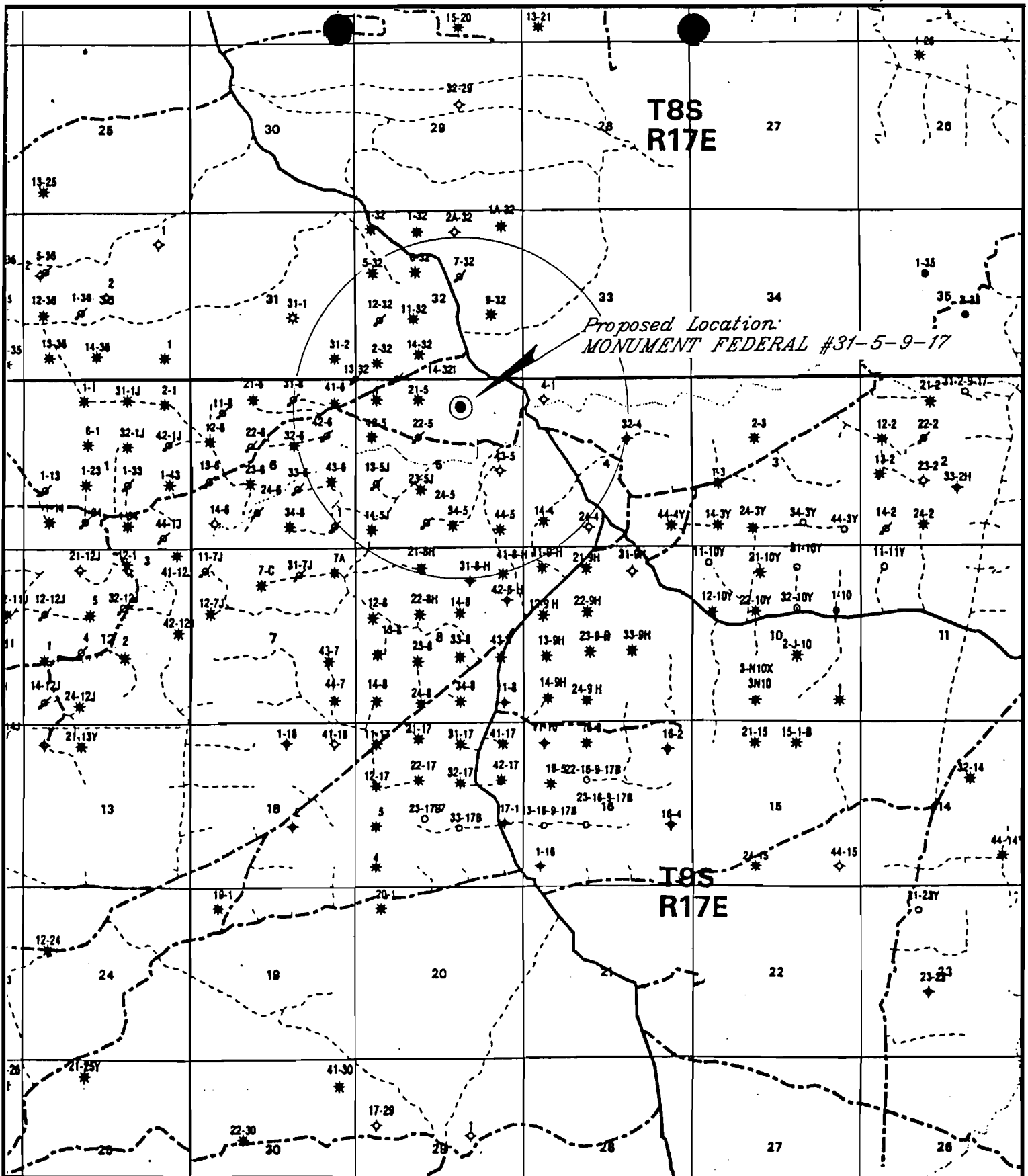


UNION DRILLING RIG #17

Hex Kelly -

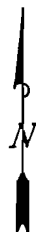


#3000 STACK



EQUITABLE RESOURCES CO.

MONUMENT FEDERAL #31-5-9-17
SEC. 5, T9S, R17E, S.L.B.&M.
TOPO "C"



Tri State
Land Surveying, Inc.
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PROPOSED PRODUCTION FACILITY DIAGRAM

EXHIBIT "J"

VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

DIKE

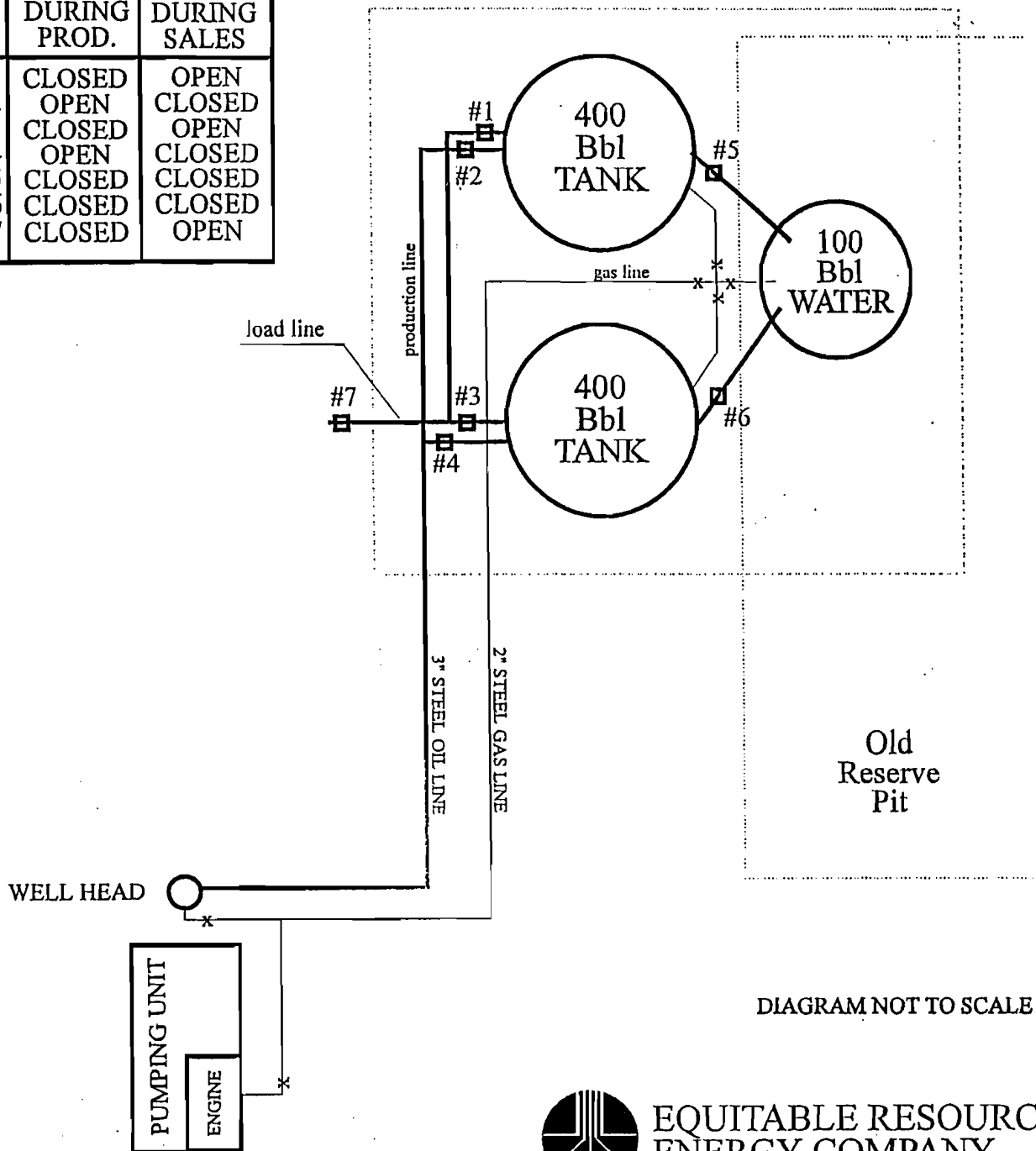


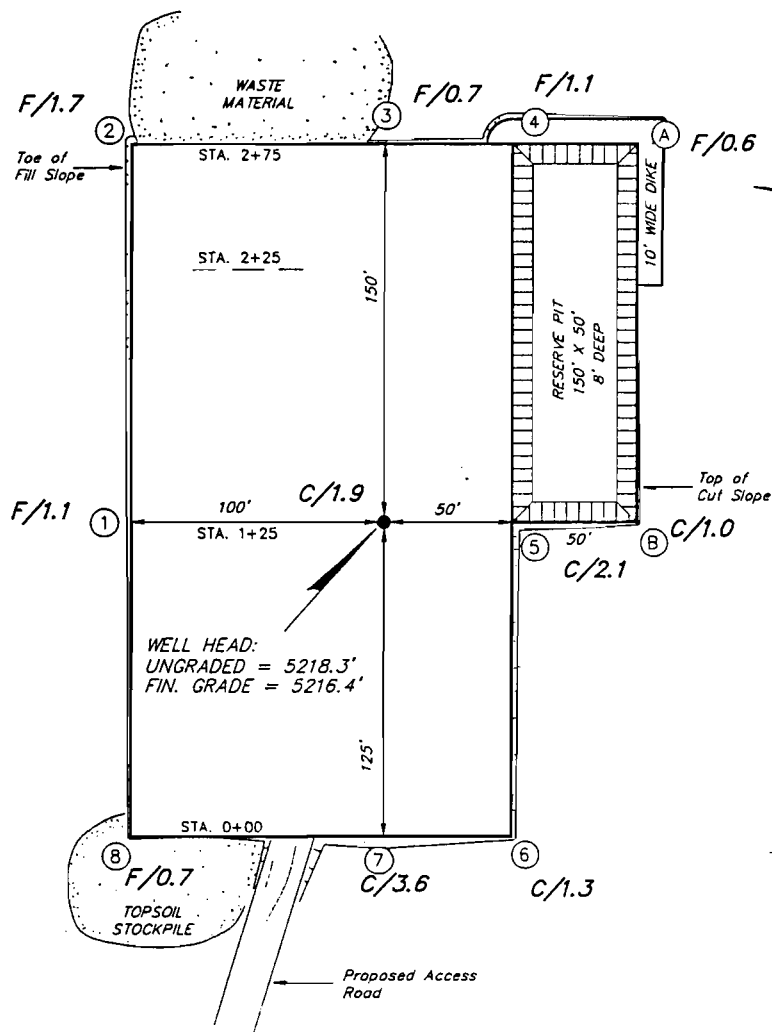
DIAGRAM NOT TO SCALE



EQUITABLE RESOURCES
ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
Billings, MT 59101-2
(406) 259-7860

EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #31-5-9-17
SEC. 5, T9S, R17E, S.L.B.&M.

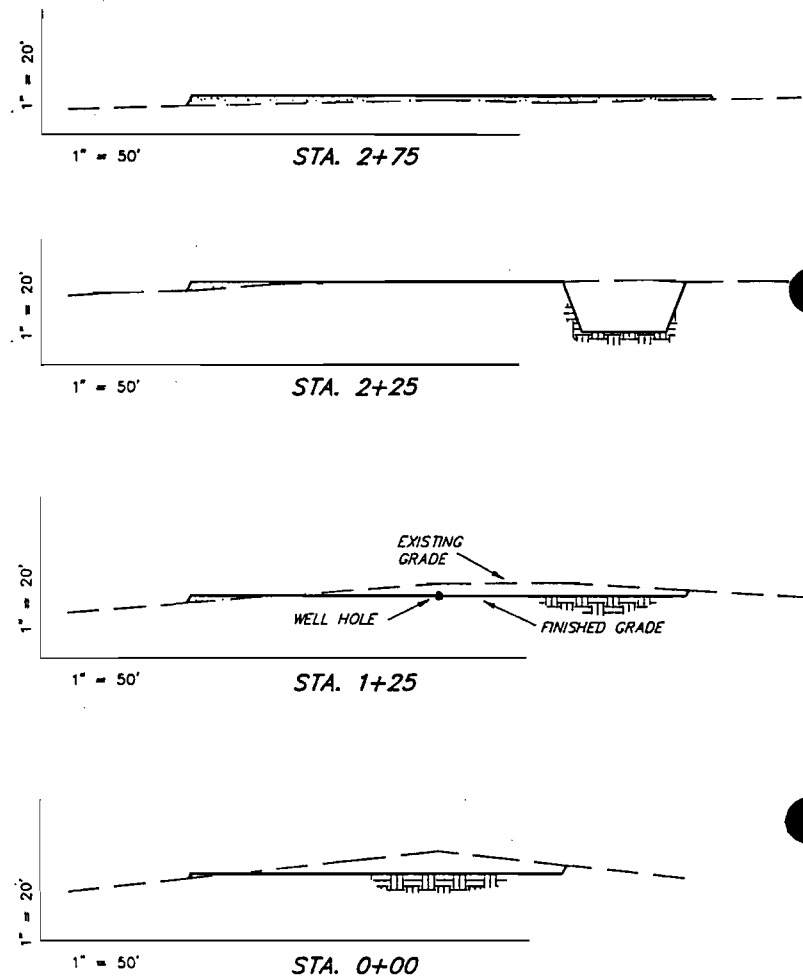


REFERENCE POINTS

200' EAST = 5213.9'
250' EAST = 5212.4'

APPROXIMATE YARDAGES

CUT = 780 Cu. Yds.
FILL = 780 Cu. Yds.
PIT = 1,770 Cu. Yds.
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S.

DRAWN BY: J.R.S.

DATE: 2-29-96

SCALE: 1" = 50'

FILE:

Tri State
Land Surveying, Inc.
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

**CULTURAL RESOURCE EVALUATION
OF 11 PROPOSED MONUMENT FEDERAL WELL LOCATIONS
IN THE WELLS DRAW, CASTLE PEAK DRAW,
PLEASANT VALLEY, & PARIETTE BENCH LOCALITIES
OF DUCHESNE COUNTY, UTAH**

Report Prepared for **Equitable Resources Energy Company**

Dept. of Interior Permit No.: UT-96-54937
AERC Project 1527 (BLCR-96-2)

Utah State Project No.: UT-96-AF-217b

Principal Investigator
F. Richard Hauck, Ph.D.

Author of the Report
F. Richard Hauck



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

181 North 200 West, Suite 5
Bountiful, Utah 84011-0853

May 10, 1996

ABSTRACT

An intensive cultural resource evaluation has been conducted for Equitable Resources Energy Company of 11 proposed Monument Federal well locations situated on federally administered lands in the Wells Draw, Castle Peak Draw, Pleasant Valley, and Pariette Bench localities of Duchesne County, Utah. This evaluation includes the Monument Federal Units 42-6-9-16Y, 43-6-9-16Y, 11-22-9-16Y, 12-11-9-17Y, 41-18-9-16Y, 14-22-8-17, 24-17-9-16, 44-17-9-16, 22-20-9-16, 42-20-9-16, and 31-5-9-17. This study involved a total of ca. 134.7 acres; 110 acres are associated with the ten acre parcels examined around each of the 11 well locations and 24.7 and acres are associated with the 2.07 miles of access routes associated with eight of the 11 well locations. These investigations were conducted by F.R. Hauck and by Glade Hadden on May 1 and 7, 1996; these archaeologists were assisted by James Merrell of Vernal, Utah.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed 11 well locations and associated access routes.

No newly identified historic or prehistoric cultural resource loci were identified and recorded during the inventory.

No isolated artifacts were noted during the evaluations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

TABLE OF CONTENTS

	page
Abstract	ii
Table of Contents	iii
List of Maps of the Project Area	iv
General Information	1
Project Location	1
Environmental Description	9
Previous Research in the Locality	10
File Search	10
Prehistory and History of the Project Area	10
Site Potential in the Project Development Zone	10
Field Evaluations	11
Methodology	11
Site Significance Criteria	12
Results of the Inventory	12
Conclusion and Recommendations	13
References	14

LIST OF MAPS

	page
MAP 1: General Project Locality in Duchesne County, Utah.	2
MAP 2: Cultural Resource Survey of Proposed Well Locations in the Wells Draw Locality of Duchesne County, Utah	3
MAP 3: Cultural Resource Survey of Proposed Well Locations in the Wells Draw Locality of Duchesne County, Utah	4
MAP 4: Cultural Resource Survey of Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah . .	5
MAP 5: Cultural Resource Survey of Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah . .	6
MAP 6: Cultural Resource Survey of Proposed Well Locations in the Pleasant Valley Locality of Duchesne County, Utah . .	7
MAP 7: Cultural Resource Survey of Proposed Well Locations in the Pariette Bench Locality of Duchesne County, Utah . . .	8

GENERAL INFORMATION

On May 1 and 7, 1996, AERC archaeologists F. Richard Hauck and Glade Hadden, assisted by James Merrell, conducted intensive cultural resource evaluations of 11 proposed Monument Federal well locations in the Wells Draw, Castle Peak Draw, Pleasant Valley and Pariette Bench localities of Duchesne County, Utah (see Map 1). The purpose of this report is to detail the results of these evaluations, which include the Monument Federal Units 42-6-9-16Y, 43-6-9-16Y, 11-22-9-16Y, 12-11-9-17Y, 41-18-9-16Y, 14-22-8-17, 24-17-9-16, 44-17-9-16, 22-20-9-16, 42-20-9-16, & 31-5-9-17 (see Maps 2 through 7) and access routes associated with eight of the 11 well sites. Some 134.7 acres were examined which include 110 acres associated with the 11 ten acre well pad parcels and 24.7 acres associated with the 2.07 miles of 100 foot-wide access corridor. All proposed pipelines are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and access corridors requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

Project Location

The project location is in the Wells Draw, Castle Peak Draw, Pleasant Valley, and Pariette Bench localities of Duchesne County, Utah. These 11 wells are situated on the Myton SW, Myton SE, and Pariette Draw SW, 7.5 minute topographic quads. The proposed Monument Federal Wells are in the following sections:

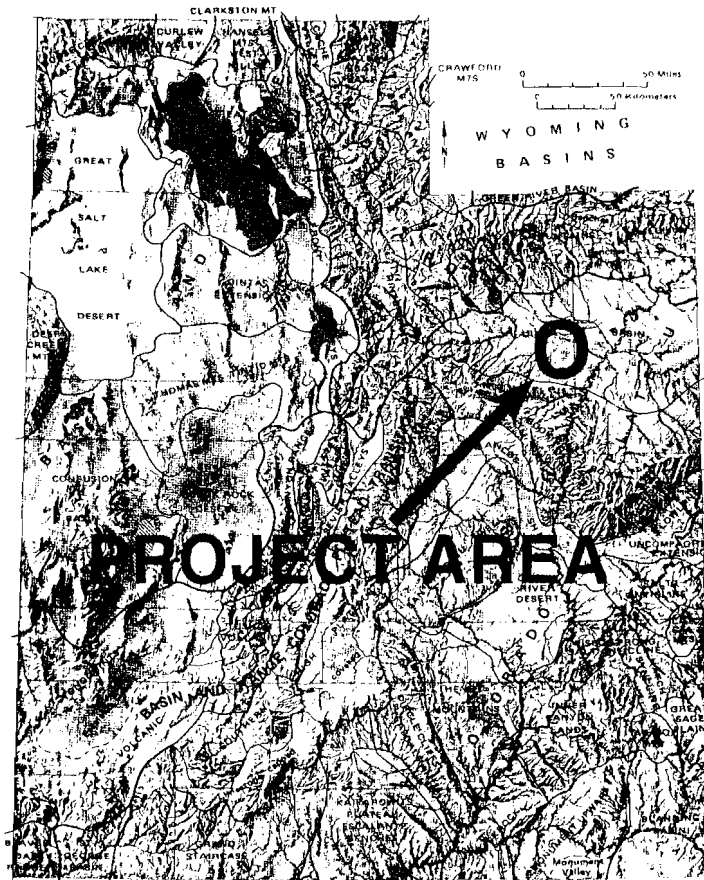
Unit 42-6-9-16Y (see Map 2) is in the southeast quarter of the northeast quarter of Section 6, Township 9 South, Range 16 East, Salt Lake B. & M. Its .3 mile-long access links to an existing two-track to the south of the location;

Unit 43-6-9-16Y (see Map 2) is in the northeast quarter of the southeast quarter of Section 6, Township 9 South, Range 16 East, Salt Lake B. & M.

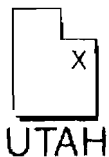
**MAP 1: GENERAL PROJECT LOCALITY
IN
DUCESNE COUNTY
UTAH**



PROJECT: BLCR - 96 - 2
SCALE: see below
QUAD: see below
DATE: May 10, 1996



UTAH GEOLOGICAL AND MINERAL SURVEY
MAP 43 1977
PHYSIOGRAPHIC SUBDIVISIONS OF UTAH
BY W.L. STOKES

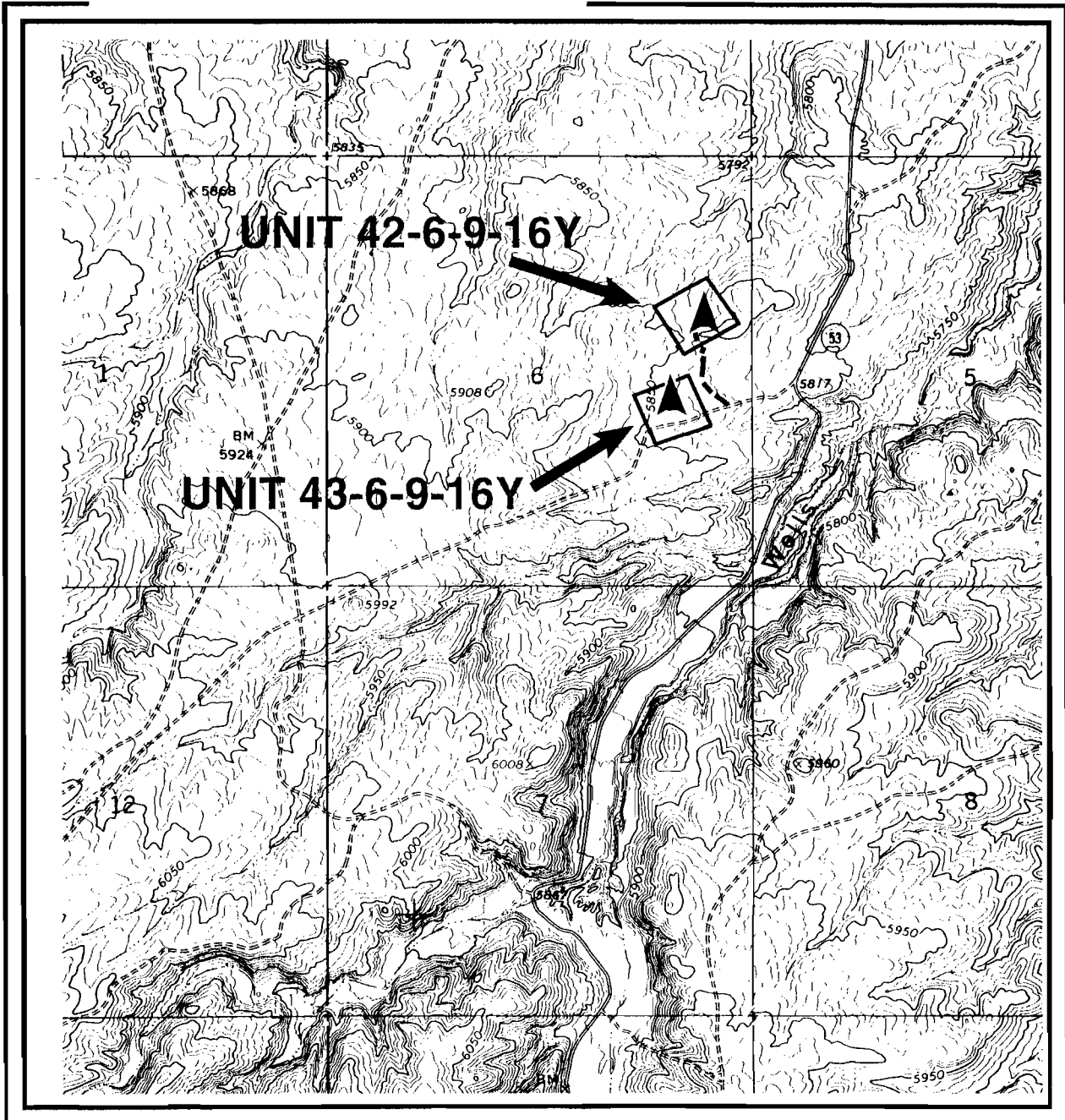


TOWNSHIP: MULTIPLE
RANGE: MULTIPLE
MERIDIAN: SALT LAKE & UINTAH B. & M.

**MAP 2: CULTURAL RESOURCE SURVEY
OF PROPOSED WELL LOCATIONS IN
THE WELLS DRAW
LOCALITY OF DUCHESNE COUNTY,
UTAH**



PROJECT: BLCR - 96- 2
SCALE: 1: 24,000
QUAD: Myton SW, Utah
DATE: May 10, 1996



TOWNSHIP: 9 South
RANGE: 16 East
MERIDIAN: Salt Lake B. & M.

LEGEND

Well Location ▲

Access Route - - -

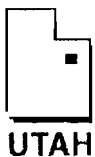
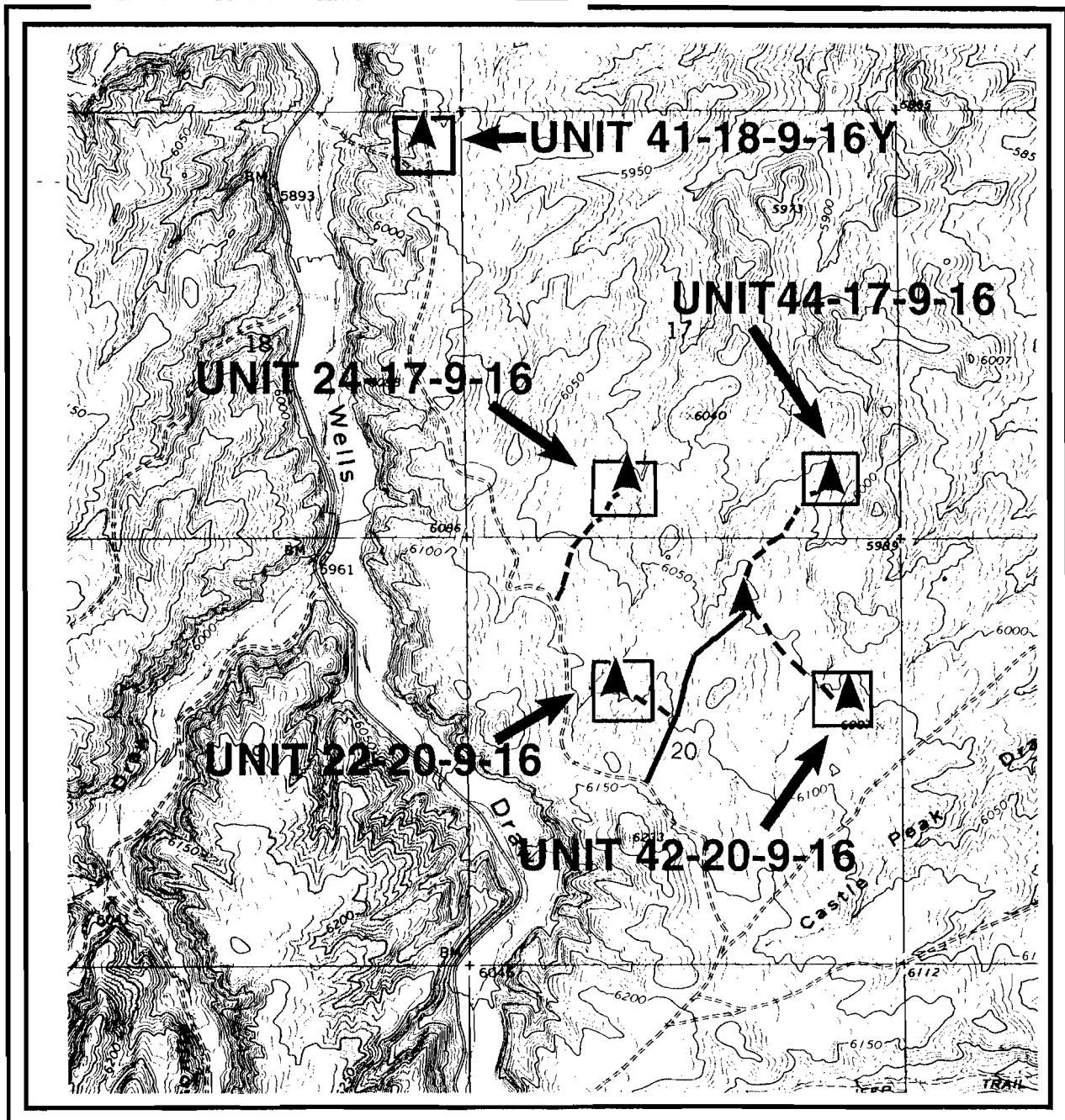
Survey Area □

Pipeline Corridor ↔

**MAP 3: CULTURAL RESOURCE SURVEY
OF PROPOSED WELL LOCATIONS IN
THE WELLS DRAW
LOCALITY OF DUCHESNE COUNTY,
UTAH**



PROJECT: BLCR - 96- 2
SCALE: 1: 24,000
QUAD: Myton SW, Utah
DATE: May 10, 1996



TOWNSHIP: 9 South
RANGE: 16 East
MERIDIAN: Salt Lake B. & M.

LEGEND

Well Location ▲

Access Route - - -

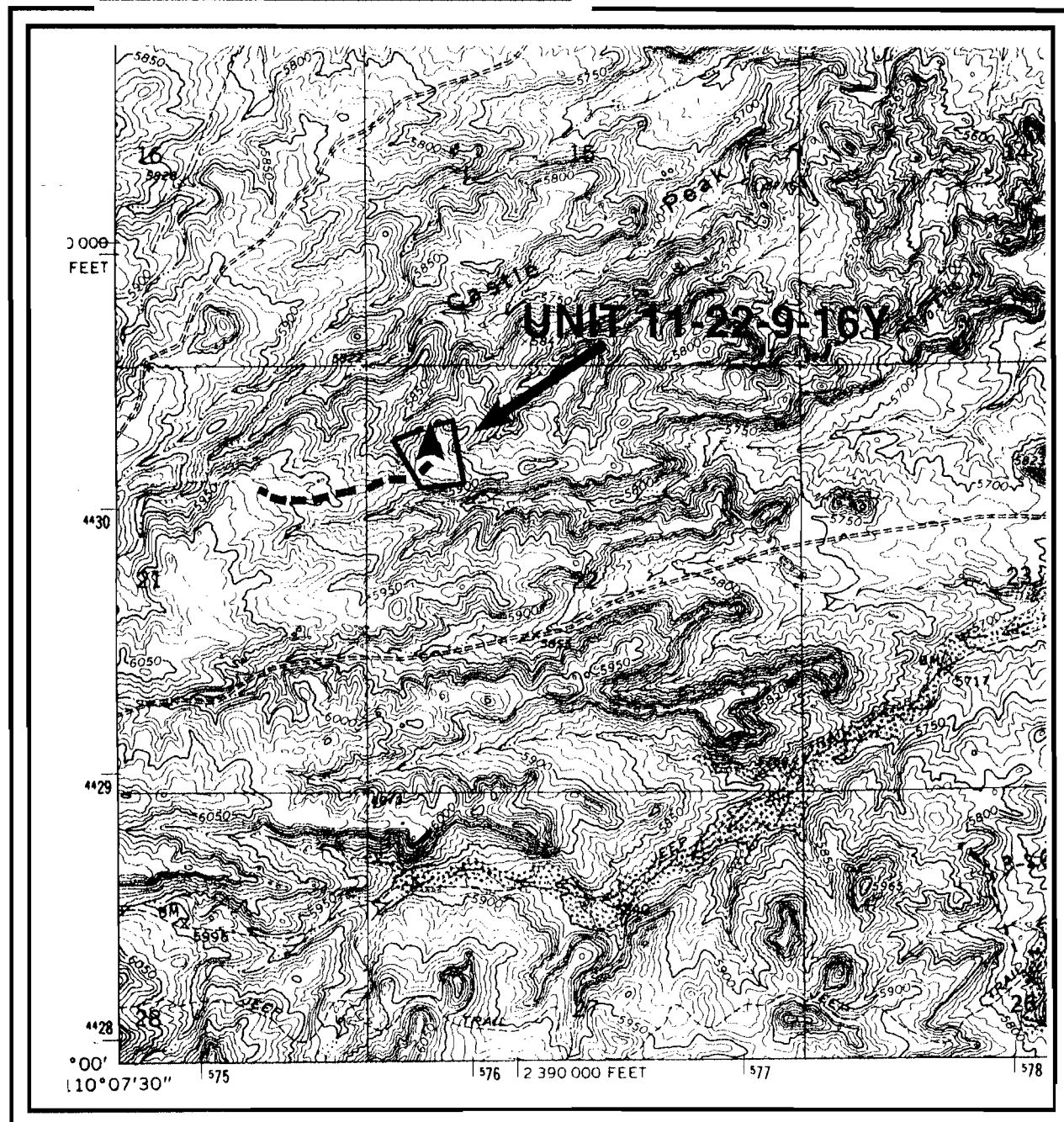
Survey Area □

Pipeline Corridor ———>

**MAP 4: CULTURAL RESOURCE SURVEY
OF PROPOSED WELL LOCATIONS IN
CASTLE PEAK DRAW
LOCALITY OF DUCHESNE COUNTY,
UTAH**



PROJECT: BLCR - 96- 2
SCALE: 1: 24,000
QUAD: Mylon SE, Utah
DATE: May 10, 1996



TOWNSHIP: 9 South
RANGE: 16 East
MERIDIAN: Salt Lake B. & M.

LEGEND

Well Location ▲

Access Route - - -

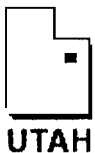
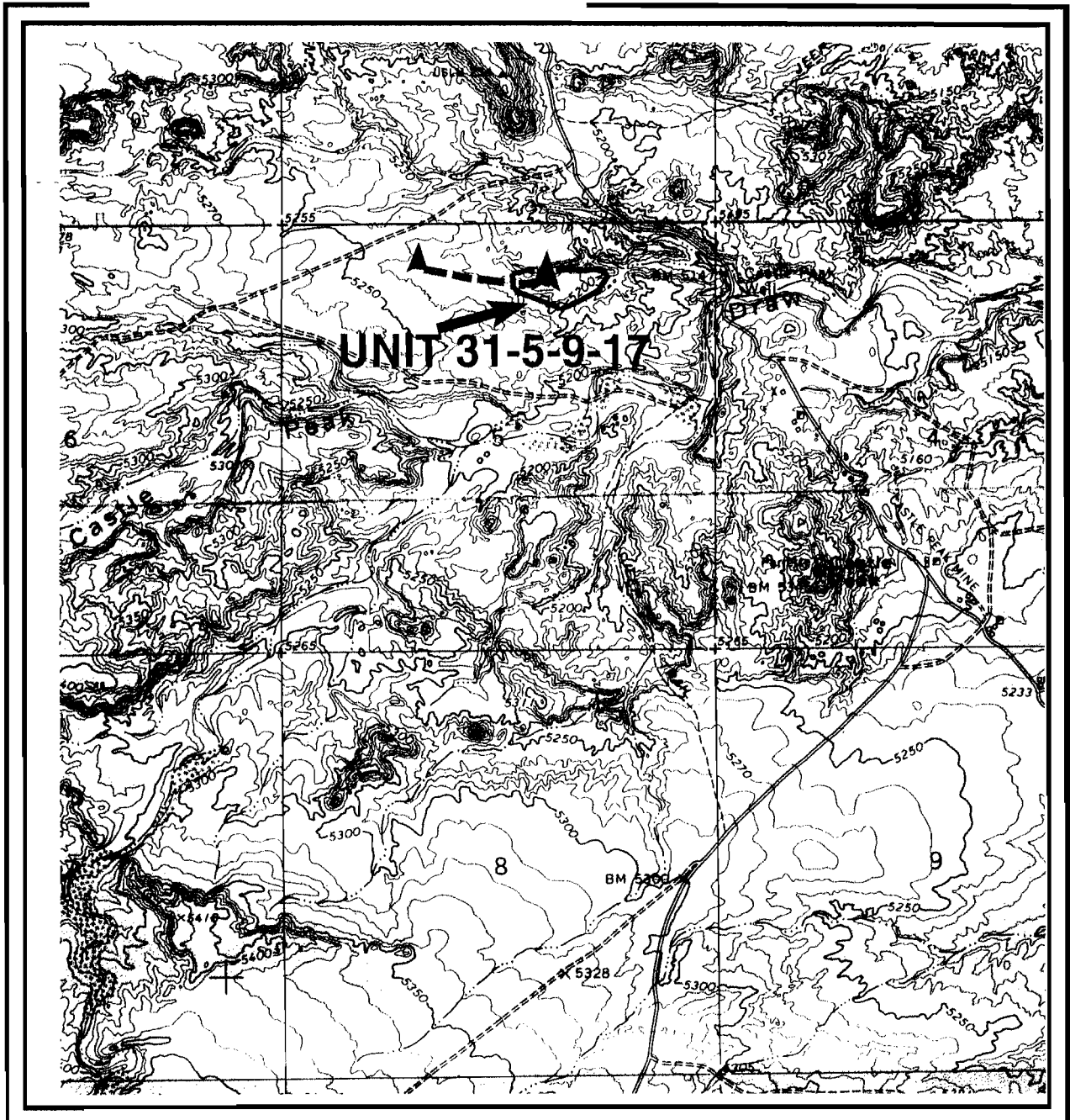
Survey Area □

Pipeline Corridor ↗

**MAP 5: CULTURAL RESOURCE SURVEY
OF PROPOSED WELL LOCATIONS IN
CASTLE PEAK DRAW
LOCALITY OF DUCHESNE COUNTY,
UTAH**



PROJECT: BLCR - 96- 2
SCALE: 1: 24,000
QUAD: Myton SE, Utah
DATE: May 10, 1996



TOWNSHIP: 9 South
RANGE: 17 East
MERIDIAN: Salt Lake B. & M.

LEGEND

Well Location ▲

Access Route - - -

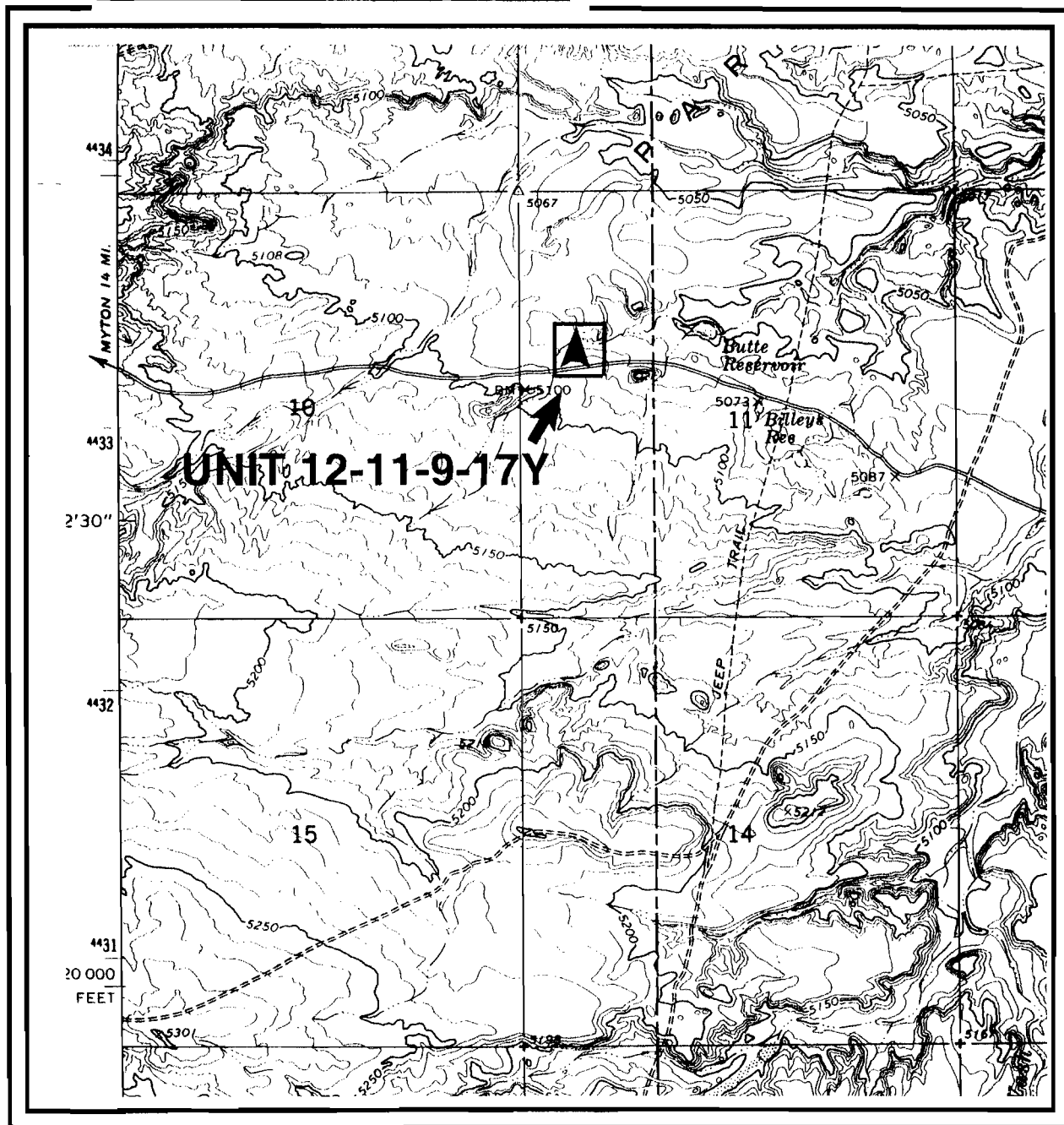
Survey Area □

Pipeline Corridor ↗↘

Pipeline Corridor

**MAP 7: CULTURAL RESOURCE SURVEY
OF PROPOSED WELL LOCATIONS IN
THE PARIETTE BENCH
LOCALITY OF DUCHESNE COUNTY,
UTAH**

PROJECT: BLCR - 96- 2
SCALE: 1: 24,000
QUAD: Pariette Draw SW, Utah
DATE: May 10, 1996



TOWNSHIP: 9 South
RANGE: 17 East
MERIDIAN: Salt Lake B. & M.

LEGEND

Well Location ▲

Access Route - - -

Survey Area □

Pipeline Corridor ↗

Unit 41-18-9-16Y (see Map 3) is in the northeast quarter of the northeast quarter of Section 18, Township 9 South, Range 16 East, Salt Lake B. & M.

Unit 24-17-9-16 (see Map 3) is in the southeast quarter of the southwest quarter of Section 17, Township 9 South, Range 16 East, Salt Lake B. & M. Its .33 mile-long access route links with the county road to the southwest of the location.

Unit 44-17-9-16 (see Map 3) is in the southeast quarter of the southeast quarter of Section 17, Township 9 South, Range 16 East, Salt Lake B. & M. Its .3 mile-long access route links with an existing well location and road to the southwest of the location.

Unit 22-20-9-16 (see Map 3) is in the southeast quarter of the northwest quarter of Section 20, Township 9 South, Range 16 East, Salt Lake B. & M. Its .1 mile-long access route links with an existing road to the southeast of the location.

Unit 42-20-9-16 (see Map 3) is in the southeast quarter of the northeast quarter of Section 20, Township 9 South, Range 16 East, Salt Lake B. & M. Its .23 mile-long access route links with an existing well location to the northwest of the location.

Unit 11-22-9-16Y (see Map 4) is in the northwest quarter of the northwest quarter of Section 22, Township 9 South, Range 16 East, Salt Lake B. & M. Its .38 mile-long access route links with an existing road to the west of the location.

Unit 31-5-9-17 (see Map 5) is in the northwest quarter of the northeast quarter of Section 5, Township 9 South, Range 17 East, Salt Lake B. & M. Its .33 mile-long access route links with an existing well to the west of the location.

Unit 14-22-8-17 (see Map 6) is in the southwest quarter of the southwest quarter of Section 22, Township 8 South, Range 17 East, Salt Lake B. & M. Its .1 mile-long access route links with the county road to the west of the location after passing through a pasture on private land.

Unit 12-11-9-17Y (see Map 7) is in the southwest quarter of the northwest quarter of Section 11, Township 9 South, Range 17 East, Salt Lake B. & M.

Environmental Description

The project area is within the 5100 to 6100 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp., *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on May 6, 1996. A similar search was conducted in the Vernal District Office of the BLM on April 24, 1996. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf., Fike and Phillips 1984, Hauck and Weder 1989, Hauck and Hadden 1993, 1994, 1995).

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and

Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologists walking a series of 15 to 20 meter-wide transects within the ten acre parcel associated with each well pad zone and along a 100 foot-wide corridor centered on the flagged centerline for each of the associated access routes as shown on Maps 2 through 6. Thus, ca. 134.7 acres was inventoried relative to these proposed well locations of which 110 includes the ten acre parcels and ca. 24.7 acres includes the 2.07 miles of various access corridor.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms.

In certain instances, the cultural sites are then evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. [GSSI] of North Salem, New Hampshire). GPR was not used during this project.

Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory

No newly identified prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations of the proposed plant site and the three pipeline complexes.

No previously recorded cultural resource loci will be adversely effected by the proposed development of these 11 well locations.

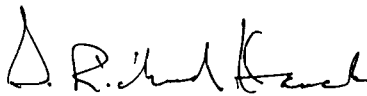
No diagnostic isolated artifacts were observed and recorded during the evaluations.

CONCLUSION AND RECOMMENDATIONS

No known cultural resources will be adversely impacted during the development and operation of the various Monument Federal Units 42-6-9-16Y, 43-6-9-16Y, 11-22-9-16Y, 12-11-9-17Y, 41-18-9-16Y, 14-22-8-17, 24-17-9-16, 44-17-9-16, 22-20-9-16, 42-20-9-16, & 31-5-9-17.

AERC recommends that a cultural resource clearance be granted to Equitable Resources Energy Company relative to the development of these proposed wells and associated access routes based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the well pad zones, flagged areas, and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal
Investigator

REFERENCES

Fike, Richard E. and H. Blaine Phillips II

1984 *A Nineteenth Century Ute Burial from Northeast Utah*. Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.

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1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.

1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.

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1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.

1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.

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1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
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- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, cf., Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.
- 1996a Cultural Resource Evaluation of Four Proposed Well Locations and Access Routes in the Castle Peak Draw Locality -- Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-8A, Archeological-Environmental Research Corporation, Bountiful.
- 1996b Cultural Resource Evaluation of 13 Proposed Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah and Duchesne Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-8B, Archeological-Environmental Research Corporation, Bountiful.
- 1996c Cultural Resource Evaluation of Two Proposed Well Locations and Access Routes in the Wells Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-96-1, Archeological-Environmental Research Corporation, Bountiful.

- 1996d Cultural Resource Evaluation of Three Proposed Pipeline Corridor Complexes in the Castle Peak Draw - Pariette Bench Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-96-3, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Glade Hadden

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- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.
- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.

- 1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1994e Cultural Resource Evaluation of Two Proposed Balcron Monument State Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-10b, Archaeological-Environmental Research Corporation, Bountiful.
- 1994f Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1995a Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-95-1 & 2, Archaeological-Environmental Research Corporation, Bountiful.
- 1995b Cultural Resource Evaluation of a Series of Proposed Water Return Pipeline Routes in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-95-7, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F.R. and G. Norman

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

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- 1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42, of the Archaeological-Environmental Research Corporation, Bountiful.

Stokes, W.L.

- 1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake City.

U.S. Department of the Interior
Bureau of Land Management
Utah State Office
(AERC FORMAT)

Summary Report of
Inspection for Cultural Resources

Project
Authorization No. U.9.6.A.F.0.2.1.7.b.

Report Acceptable Yes ___ No ___

Mitigation Acceptable Yes ___ No ___
Comments: _____

WELL LOCATIONS IN THE WELLS DRAW,
CASTLE PEAK DRAW, PLEASANT VALLEY, &
PARIETTE BENCH LOCALITY IN DUCHESNE CO.

1. Report Title Equitable Resources Energy Company

2. Development Company _____

3. Report Date 0 5 10 1 9 9 6 UT-96-54937

4. Antiquities Permit No. _____
A E R C BLCR - 96 - 2 Duchesne

5. Responsible Institution County _____

6. Fieldwork

Location: TWN .0.8.S. . RNG .1.7.E. . Section.22
TWN .0.9.S. . RNG .1.6.E. . Section 06, 17, 18, 20, 22,
TWN .0.9.S. . RNG .1.7.E. . Section 05, 11

7. Resource Area .SM.

8. Description of Examination Procedures: The archeologist Glade Hadden and assistant James Merrell intensively examined the proposed well locations and associated access & access corridors by walking 10 to 15 meter-wide transects in the ten acre parcels and within the 100 foot-wide corridors on either side of the flagged center-line.

9. Linear Miles Surveyed .2.07 10. Inventory Type I
and/or Definable Acres Surveyed R = Reconnaissance
and/or Legally Undefinable Acres Surveyed .1.34.7 I = Intensive
S = Statistical Sample

11. Description of Findings: No archaeological sites were identified and recorded during this survey. 12. Number Sites Found .0. (No sites = 0)
13. Collection: .N. (Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected: The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 5-6-96 Vernal BLM 4-24-96

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Equitable Resources Energy Company for these proposed developments based on the following stipulations: (see reverse)

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas, well pads and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.

2. A l l p e r s o n n e l s h o u l d ^{reprimand} ~~ref~~ disturbing any significant cultural resources in the area.

3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

17. Signature of Administrator & Field Supervisor

Administrator:



Field
Supervisor:

EQUITABLE RESOURCES CO.

BALCRON OIL

MONUMENT FEDERAL #31-5-9-17

NW/NE SECTION 5, T9S, R17E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078

MAY 8, 1996

RESULTS OF PALEONTOLOGY SURVEY AT EQUITABLE RESOURCES CO. MONUMENT FEDERAL
#31-5-9-17, NW/NE Section 5, T9S, R17E, S.L.B.&M, Duchesne Co., Utah.

Description of Geology and Topography-

This well location is 9 miles south of Myton, Utah, on the bench 0.3 mile north of Castle Peak Draw. The access road runs east 0.2 miles from existing well #21-5. The access road has a cover of sand and angular rock fragments of sandstone and limestone. The wellpad has the same kind of cover, but with outcrops of rusty brown limestone, sandstone, and mudstone on the southwest side.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

Paleontological material found -

Found a few turtle shell fragments eroding out of the slope 111 feet southwest of the well center stake at 226 degrees (site A).

There is turtle shell eroding out in several places in the small badlands spot south of the road, west of the wellpad (site B).

Recommendations-

Neither of the two fossil sites will be adversely effected by road and wellpad construction.

There is always some potential for encountering significant fossils when working in the Uinta Formation. If important looking fossil material is found during construction, a paleontologist should be called to evaluate it.

No other recommendations are being made for paleontology at this location.

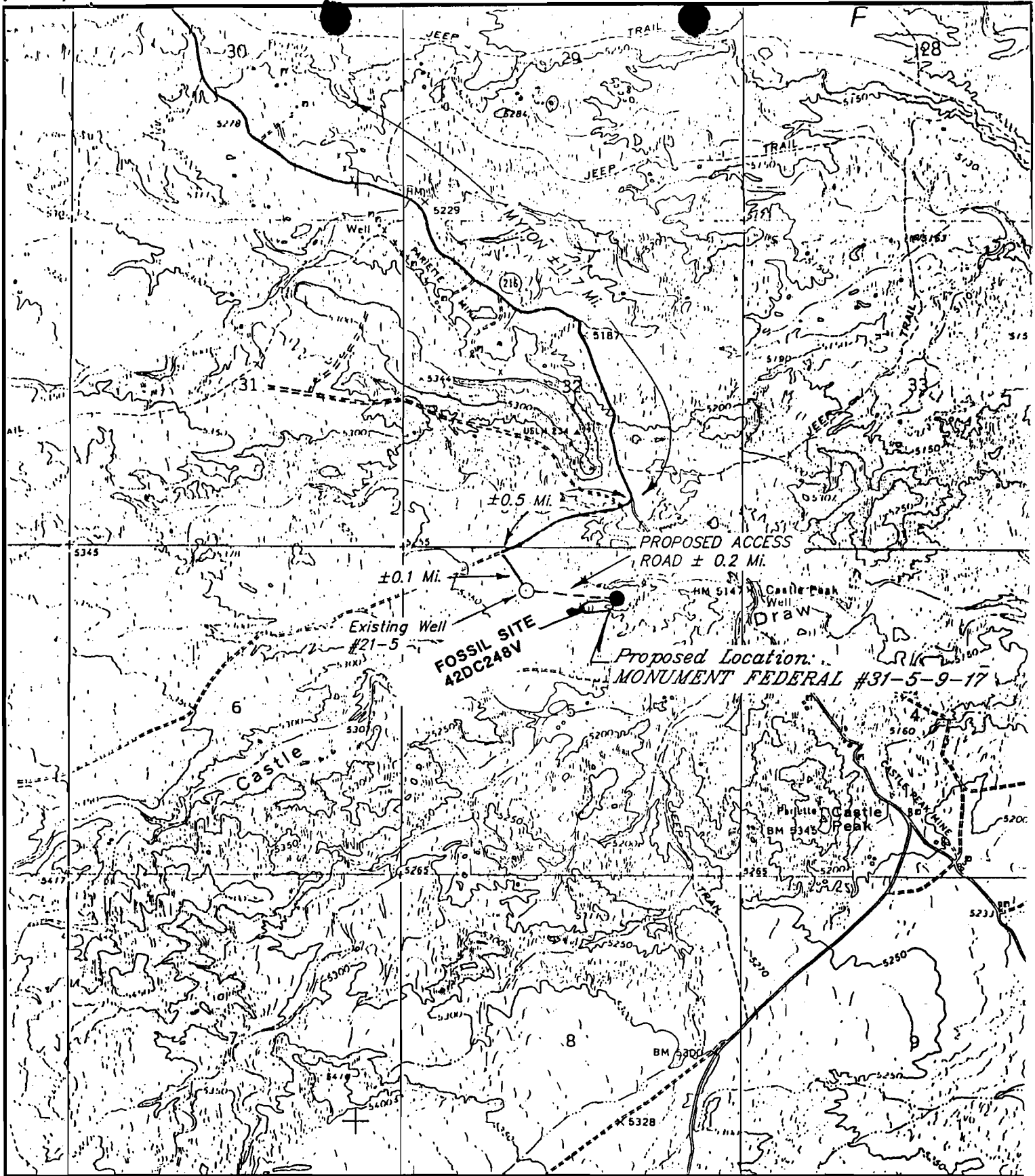
Allen B. Hamblin
Paleontologist

Date May 9, 1996

United States
Department of the Interior
Bureau of Land Management

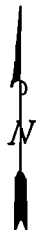
Paleontological Locality Form

1. Permit #/Permittee: BLM - UT-S-95-004 ALDEN H. HAMBLIN
2. Repository/Accn.#: UTAH FIELD HOUSE OF NATURAL HISTORY
3. Locality #: 42DC248V ☐ Plant ☒ Vertebrate ☐ Invertebrate ☐ Other
4. Formation (and subdivision, if known): Uinta Formation, lower Member
5. Age: Late Eocene
6. County: Duchesne
7. BLM District: VERNAL
8. Resource Area: Diamond Mt.
9. Map name: Myton SE, Utah
10. Map source: U.S.G.S. 7 1/2 min. Quad.
11. Map scale: 1:24,000
12. Map edition: 1964
13. Latitude (deg., min., sec., direction): _____
14. Longitude (deg., min., sec., direction): _____
or: UTM Grid Zone: (A) 12 T 582947 mE 4435175 mN
or: UTM Grid Zone: (B) 12 T 582859 mE 4435164 mN
15. Survey (Section, Township & Range): Top of south 1/2, NW, NE, Sec. 5, T9S, R17E, SLBM
16. Taxa observed/collected: Found a few turtle shell fragments eroding out of slope 111 feet southwest of the well center stake at 226 degrees (site A).
There is turtle shell eroding out in several places in the small badlands spot south of the road, west of the wellpad (site B).
17. Discoverer(s)/Collector(s): Alden H. Hamblin
18. Date(s): April 30, 1996
19. Remarks: This fossil site was found during the paleontology survey of Equatable Resources Balcron Federal #31-5-9-17.



EQUITABLE RESOURCES CO.

MONUMENT FEDERAL #31-5-9-17
 SEC. 5, T9S, R17E, S.L.B.&M.
 TOPO "B"



SCALE: 1" = 2000'

Tri State
 Land Surveying, Inc.
 (801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/25/96

API NO. ASSIGNED: 43-013-31680

WELL NAME: MONUMENT FEDERAL 31-5-9-17
OPERATOR: EQUITABLE RESOURCES CORP (N9890)

PROPOSED LOCATION:

NWNE 05 - T09S - R17E
SURFACE: 0792-FNL-1939-FEL
BOTTOM: 0792-FNL-1939-FEL
DUCHESNE COUNTY
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED
LEASE NUMBER: U - 74808

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
 (Number 5547188)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
 (Number ICE 541605)
☒ RDCC Review (Y/N)
 (Date: _____)

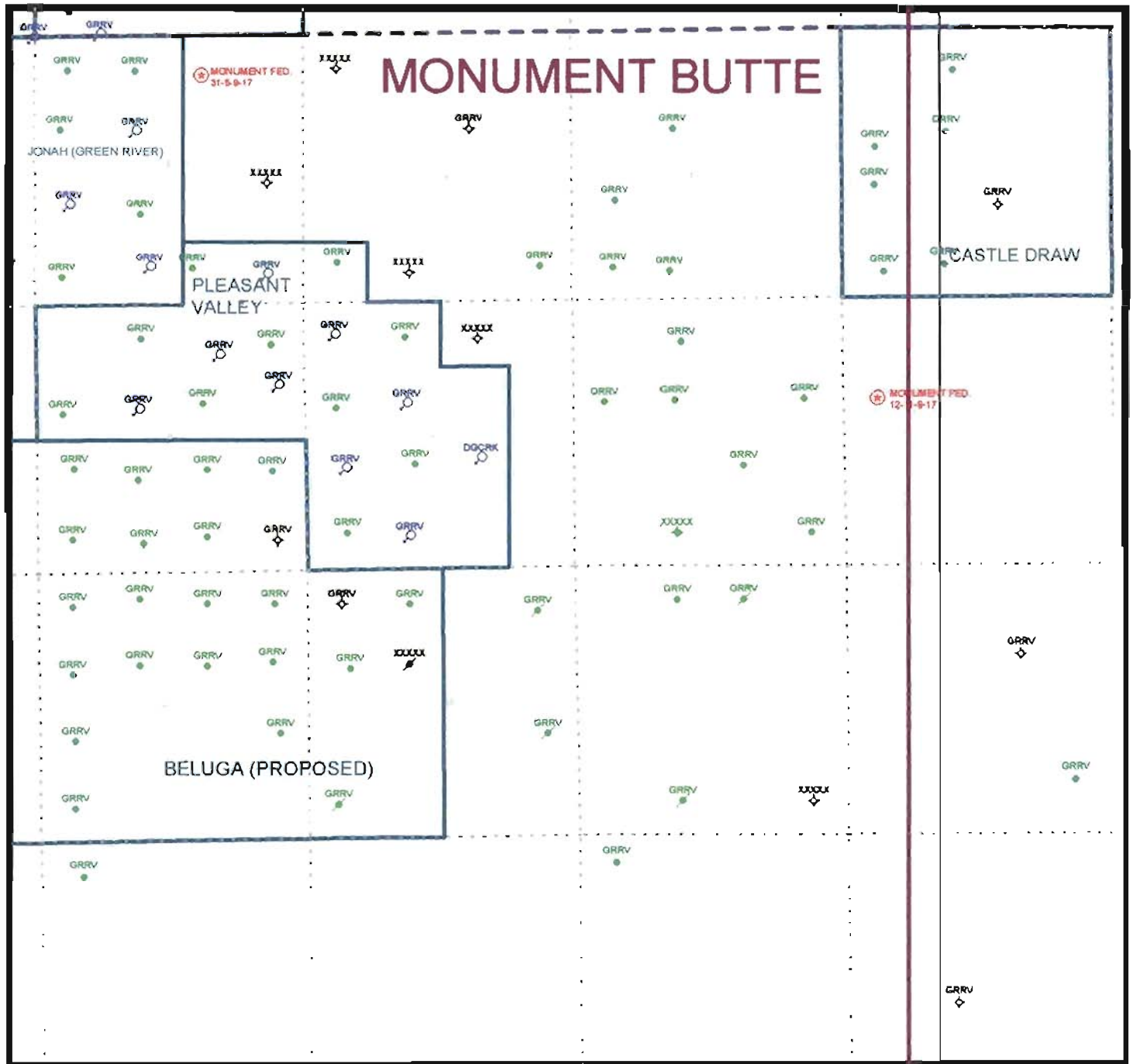
LOCATION AND SITING:

_____ R649-2-3. Unit: _____
☒ R649-3-2. General.
_____ R649-3-3. Exception.
_____ Drilling Unit.
 Board Cause no: _____
 Date: _____

COMMENTS: _____

STIPULATIONS: _____

EQUITABLE RESOURCES CORP
DEVELOPMENT DRILLING
SEC. 5 & 11, T9S, R1TE,
DUCHESNE, COUNTY UAC R649-3-2



PREPARED:
DATE: 25-JUNE-96



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

July 22, 1996

Equitable Resources Energy Co.
1601 Lewis Avenue
Billings, Montana 59102

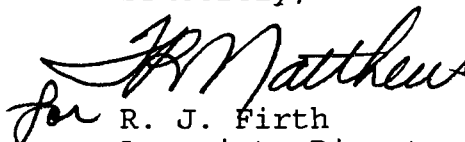
Re: Monument Federal 31-5-9-17 Well, 792' FNL, 1939' FEL,
NW NE, Sec. 5, T. 9 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31680.

Sincerely,


for R. J. Firth
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Equitable Resources Energy
Well Name & Number: Monument Federal 31-5-9-17
API Number: 43-013-31680
Lease: U-74808
Location: NW NE Sec. 5 T. 9 S. R. 17 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

RECEIVED
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AUG 1 9 1996
CONFIDENTIAL

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-74808

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a

7. UNIT AGREEMENT NAME
n/a

8. FARM OR LEASE NAME
Monument Federal

9. WELL NO.
#31-5-9-17

10. FIELD AND POOL, OR WILDCAT
Monument Butte/Green River

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
5, T9S, R17E

12. COUNTY OR PARISH
Duchesne

13. STATE
UTAH

1. APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Equitable Resources Energy Company

3. ADDRESS OF OPERATOR
1601 Lewis Avenue; Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface NW NE Section 5, T9S, R17E 792' FNL, 1939' FEL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
From Myton, UT approximately 10 mi SW

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
232.46

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
5850'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5,218' GL

22. APPROX. DATE WORK WILL START*
June 1, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached	Drilling Program/Casing Design			

JUN 26 1996

Operator intends to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT)
COPY: Utah Division of Oil, Gas and Mining (Salt Lake City, UT)

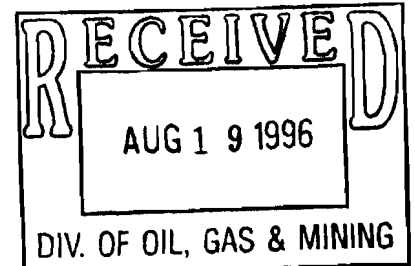
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE April 17, 1996
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE Assistant Field Manager DATE JUL 25 1996
CONDITIONS OF APPROVAL, IF ANY: MINERAL RESOURCES

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL



Company/Operator: Equitable Resources Energy Company

Well Name & Number: Equitable Monument Federal 31-5-9-17

API Number: 43-013-31680

Lease Number: U - 74808

Location: NWNE Sec. 05 T. 9S R. 17E

NOTIFICATION REQUIREMENTS

- | | | |
|---------------------------------|---|---|
| Location Construction | - | at least forty-eight (48) hours prior to construction of location and access roads. |
| Location Completion | - | prior to moving on the drilling rig. |
| Spud Notice | - | at least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

SURFACE USE PROGRAM
Conditions of Approval (COAs)

The operator will control noxious weeds along rights-of -way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered lands it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or hazardous chemicals.

The following additional stipulation applies:

Since the location is also in or near potential raptor habitat,

A high quality muffler shall be used on the engine powering the well. This will limit the noise originating at the well site.

An erosion control structure will be required. It has been staked and flagged in the drainage due North of the well location.

MOUNTAIN PLOVERS & BURROWING OWLS

No surface disturbing activities, construction, or drilling operations including the initial completion activities are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect the nesting Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this restriction may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

An example of an exception: could be to contact the authorized officer of the BLM to coordinate additional surveys for mountain plover & burrowing owl. The notification will be required a minimum of 14 days prior to surface disturbance to allow time to conduct a wildlife survey. If an active nest or chicks are found, the proposed activity will be delayed until the chicks are out of downy plumage or the brood vacates the area.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: MONUMENT FEDERAL 31-5-9-17

Api No. 43-013-31680

Section 5 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig #: 17

SPUDDED:

Date: 8/27/96

Time:

How: ROTARY

Drilling will commence:

Reported by: D. INGRAM-DOGM

Telephone #:

Date: 8/28/96 Signed: FRM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
U-74808

6. If Indian, Allottee or Tribe Name
n/a

7. If Unit or CA, Agreement Designation
n/a

8. Well Name and No.
Monument Fed. #31-5-9-17

9. API Well No.
43-013-31680

10. Field and Pool, or Exploratory Area
Monument Butte/Green River

11. County or Parish, State
Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW NE Section 5, T9S, R17E
792' FNL, 1939' FEL**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **spud of well**

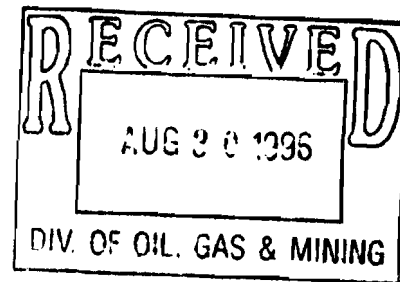
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was spud 8/27/96.

ORIGINAL: Bureau of Land Management (Vernal, UT)
COPY: Utah Division of Oil, Gas and Mining



14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman
Bobbie Schuman

Title

**Regulatory and
Environmental Specialist**

Date

August 28, 1996

Approved by

Conditions of approval, if any:

Title

Date

OPERATOR Equitable Resources Energy Company

OPERATOR ACCT. NO. N 9890

ADDRESS 1601 Lewis Avenue

Billings, MT 59102

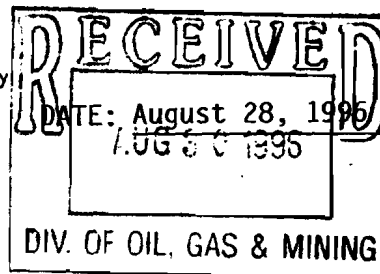
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11987	43-013-31680	Monument Federal #31-5-9-17	NWNE	5	9S	17E	Duchesne	8/28/96 8/27/96	8/28/96 8/27/96
WELL 1 COMMENTS: <i>Entity added 8-30-96. JEC</i> Spud of new well.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



D. H. Schuman
Signature
Regulatory and
Environmental Specialist

Phone No. (406) 259-7860

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW NE Section 5, T9S, R17E
792' FNL, 1939' FEL**

5. Lease Designation and Serial No.

U-74808

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No

**Balcron
Monument Fed. #31-5-9-17**

9. API Well No.

43-013-31680

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **1st production**

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

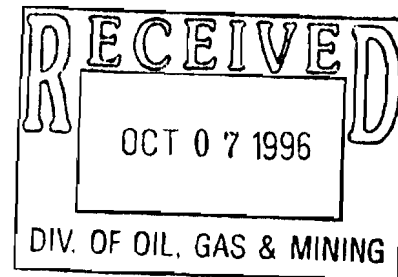
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

First production on this well was 10/1/96.

ORIGINAL: Bureau of Land Management (Vernal, UT)

COPY: Utah Division of Oil, Gas and Mining (with Entity Action form)



14. I hereby certify that the foregoing is true and correct

Signed **Bobbie Schuman**

Title **Regulatory and Environmental Specialist**

Date **October 3, 1996**

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**

OPERATOR Equitable Resources Energy Company OPERATOR ACCT. NO. 119890
ADDRESS 1601 Lewis Avenue
Billings, MT 59102

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
<u>EA</u>		<u>11987</u>	<u>43-013-31680</u>	<u>Balcron Monument Federal</u> <u>#31-5-9-17</u>	<u>NWNE</u>	<u>5</u>	<u>9S</u>	<u>17E</u>	<u>Duchesne</u>		<u>10/1/96</u>

CELL 1 COMMENTS:

1st production 10/1/96

Entity previously added 8-30-96. Jec

CELL 2 COMMENTS:

CELL 3 COMMENTS:

CELL 4 COMMENTS:

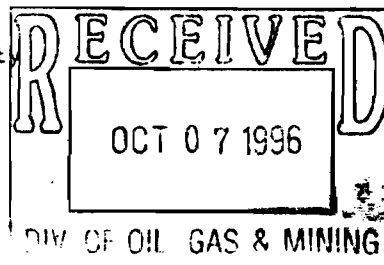
CELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(/89)



Roberta Schuman
Signature
Regulatory
Specialist
Title
Date 10/3/96
Phone No. (406) 239-7260

EREC/Western Region
DAILY OPERATING REPORT

MONUMENT FEDERAL #31-5-9-17

Location: NE NW Section 5, T9S , R17E

Duchesne County, Utah

---TIGHT HOLE---

792' FNL, 1939' FEL

PTD: 5850 ft Formation: Green River

Monument Butte Field

API#

Elevations: 5218' GL

Contractor: Union Drilling

Operator: EREC/Western Region

Spud:

Casing:

Tubing:

08/28/96 TD: 291' (291') Day 1
Present Operation: Start drilling 7-7/8" hole
Drill & set rat hole & conductor, drill 291' of 12-1/4" hole, ran 263' of 8-5/8", J-55, 6.4#
csg as follows:

Shoe	.90'
Shoe jt	43.95'
Baffle plate	0.00'
5 jts csg	219.00'
Landing jt	10.00'
Total csg length	263.85'
Depth Landed	273.85' KB

Cemented w/ 160 sxs "G" + 2% CACL2 + 1/4#/sx cello flake.. Plug down @ 5:00 PM. NU,
Pressure test BOP stack and drilled plug & shoe.
DC: \$5,238 CC: \$5,238

8-29-96 TD: 1,778' (1,487') Day 2
Formation: Sand & Shale
Present Operation: Drilling 7-7/8" hole.
Drill w/air & ran three surveys.
DC: \$26,766 CC: \$32,004

08/30/96 TD: 3182' (1404') Day 3
Present Operation: Drilling 7-7/8" hole
Drilled 1404' of 7-7/8" hole w/air & ran three surveys.
DC: \$25,272 CC: \$57,276

08/31/96 TD: 4062' (880') Day 4
Present Operation: Drilling 7-7/8" hole
Drill 880' of 7-7/8" hole w/air, made bit trip and picked up motor. Ran one survey.
DC: \$15,840 CC: \$73,116

09/01/96 TD: 4819' (757') Day 5

MW 8.4 VIS 28

Present Operation: Drilling 7-7/8" hole

Drilled 757' of 7-7/8" hole w/fluid and ran one survey.

DC: \$13,626

CC: \$86,742

09/02/96

TD: 5508' (689') Day 6

MW 8.4 VIS 28

Present Operation: Drilling 7-7/8" hole

Drilled 689' of 7-7/8" hole.

DC: \$12,402

CC: \$99,144

09/03/96

TD: 5850' (342') Day 7

Present Operation: Running 5-1/2" csg

Drilled 342' of 7-7/8" hole w/fluid, LD drill pipe, logged well and started running 5-1/2", 15.5#, 8rd, J-55 csg.

DC: \$6,156

CC: \$105,300

09/04/96

TD: 5850' (0') Day 8

Present Operation: Move Rig Off

Circulate csg. Cemented long string w/Lead = 250 sx Super "G" w/3% salt, 2% gel, 2#/sx Kolseal, and 1/4#/sx cello flake. Tail: 475 sxs 50/50 poz w/2% gel, 2#/sx Kolseal & 1/4#/sx cello flake. Plug down @ 7:52 PM w/good returns. ND. Set slips. Rig down, rig released @ 12:00 PM on 9/3/96.

09/09/96

Completion

Dress up loc. Set rig anchors, set rig pump & tanks. MIRU Cannon Well Service Rig #2. NU 5M well head, NU BOP.

09/10/96

Completion

TIH w/4-3/4" bit, 5-1/2" csg scrapper & 185 jts 2-7/8" tbg. Tag PBTD @ 5753' KB. Circulate hole clean w/140 bbls 2% KCL wtr. TOO H w/tbg & tools. RU Cutter Wire Line to run CBL & perf. Run CBL from 5745' KB to 600' KB w/1000 psi. TOC @ 800' KB. Perf 5056' - 5065', 4 SPF. TIH w/TS RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 164 jts 2-7/8" tbg. Set BP @ 5135' KB, EOT @ 5006' KB, pkr @ 4998' KB. SWIFN.

DC: \$9,851

CC: \$115,151

09/11/96

Completion

RU BJ Services & break down 5056' - 5065' as follows: 1932 gals 2% KCL wtr. ATP = 2800 psi, ATR = 4.2 bpm, ISIP = 1500 psi. Used 46 bbls wtr. TOO H w/tbg, pkr & retrieving tool. Frac 5056' - 5065' w/14,154 gals 2% KCL wtr, 6,000 lbs 20/40 sd & 29,400 lbs 16/30 sd. ATP = 2000 psi, ATR = 24.6 bpm, ISIP = 2170 psi, 5 min = 1820 psi, 10 min = 1610 psi, 15 min = 1500 psi, 30 min = 1430 psi. Used 337 bbls wtr. Start forced closure flow back, .5 bpm. Flow back 165 bbls wtr & sand. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, SN, & 160 jts 2-7/8" tbg. Tag sand @ 5001' KB. Circulate down to BP @ 5153' KB. Set pkr @ 4998' KB. SWIFN.

DC: \$31,292

CC: \$146,443

09/12/96

Completion

Made 37 swab runs. Recovered 4 bbls oil , 177 bbls wtr, good gas, trace sand. Oil 10% last 3 runs. Fluid level @ 2850' last 5 runs. Release pkr. Tag sand @ 5103' KB. Circulate down to BP @ 5135' KB. Used 16 bbls wtr. Reset BP @ 4883' KB. TOOH w/tbg, pkr & retrieving tool. SWIFN.

DC: \$2,147

CC: \$148,590

09/13/96

Completion

RU Cutter Wire Line & perf 4743' - 4748' & 4801' - 4804'. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, SN & 156 jts 2-7/8" tbg. Retrieve BP. Reset BP @ 4789' KB, EOT @ 4691' KB, pkr @ 4684' KB. RU BJ Services & break down 4743' - 4748' as follows: 2184 gals 2% KCL wtr. ATP = 2300 psi, ATR = 4.3 bpm, ISIP = 1500 psi. Used 52 bbls wtr. Reset BP @ 4883" KB, EOT @ 4785' KB, pkr @ 4778' KB. Break down 4801' - 4804' w/1932 gasl 2% KCL wtr. ATP = 2900 psi, ATR = 4.2 bpm, ISIP = 1600 psi. Used 46 bbls wtr. TOOH w/tbg, pkr & retrieving tool. Flowed back 27 bbls wtr. SWI until 9-16-96.

DC: \$2,592

CC: \$151,182

09/16/96

Completion

RU BJ Services & frac 4743' - 4748' & 4801' - 4804' w/13m860 gals 2% KCL wtr & 37,000 lbs 16/30 sand. ATP = 2500 psi, ATR = 34.8 bpm, ISIP = 2630 psi, 5 min = 1980 psi, 10 min = 1920 psi, 15 min = 1660 psi. Used 330 bbls wtr. RU Cutter Wire Line & set HE RBP @ KB. Perf 4204' - 4216', 4218' - 4220', 4265' - 4274', 2 SPF. TIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, SN & 136 jts 2-7/8" tbg. Set BP @ 4256' KB, EOT @ 4190' KB, pkr @ 4183' KB. Break down 4204' - 4220' w/2m142 gals 2% KCL wtr. ATP = 2350 psi, ATR = 4.0 bpm, ISIP = 1500 psi. Used 52 bbls wtr. Reset BP @ 4300' KB, EOT @ 4253' KB, pkr @ 4246' KB. Break down 4265' - 4274' w/1596 gals 2% KCL wtr. ATP = 3300 psi, ATR = 3.2 bpm, ISIP = 1550 psi. Used 38 bbls wtr. TOOH w/tbg, pkr & retrieving tool. Frac 4204' - 4274' w/25,830 gals 2% KCL wtr & 93,700 lbs 16/30 sand. ATP = 2100 psi, ATR = 34.8 bpm, ISIP = 2170 psi, 5 mi = 2050 psi, 10 min = 1940 psi, 15 min = 1720, 30 min = 1480 psi. Used 615 bbls wtr. Start forced closure flow back, 1.25 bpm. Flow back 252 bbls wtr. 5% sand last 2 runs. SWIFN.

DC: \$49,282

CC: \$200,464

09/17/96

Completion

Bleed csg down. Flow back 5 bbls wtr. TIH w/retrieving tool & 134 jts tbg. Tag sand @ 4172' KB. Circulate down to BP @ 4300' KB. Release BP, TOOH w/tbg & TS BP. TIH w/retrieving tool & 139 jts tbg. Release HE BP. TOOH w/tbg & BP. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, SN, & 151 jts tbg. Tag sand @ 4715' KB. Circulate down to BP @ 4883' KB. Set pkr @ 4183' KB. Made s8 swab runs. Recovered 90 bbls wtr, trace oil & 3% sand. Fluid level @ 1500' last 3 runs. SWIFN.

DC: \$2,092

CC: \$202,556

09/18/96

Completion

Flush tbg w/10 bbls wtr. Made 19 swab runs. Recovered 9 bbls oil & 85 bbls wtr, good gas, no sand last 6 runs. Oil 20% last 3 runs. Fluid level 2050' last 3 runs. Release pkr, tag sand @ 4820' KB. Circulate down to BP @ 4883' KB. Release BP, TOOH w/tbg, pkr & BP. TIH w/production stings (tbg) as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 - Notched-pinned collar 2-7/8"	.40'	5125.85'

1 - jt 2-7/8" EUE M-50 8rd 6.5#	28.20'	5125.45'
1 - perf sub 2-7/8" x 4'	4.20'	5097.25'
1 - SN 2-7/8"	1.10'	5093.05'
29 - jts 2-7/8" EUE J-55 8rd 6.5#	909.47'	5091.95'
1 - tbg anchor 2-7/8" x 5-1/2" (TRICO)	2.75'	4182.48'
134 - jts 2-7/8" EUE J-55 8rd 6.5#	4169.73'	4179.73'
KB	10.00'	

ND BOP, ND 5-M well head, NU 3-M well head. Set tbg anchor w/10" tension. Flange up well head. SWIFN.

DC: \$19,235

CC: \$221,791

09/19/96

Completion

TIH w/production string (rods) as follows

- 1 - DHP 2-1/2" x 1-1/2" x 16' RWAC w/SM plunger (TRICO #1192)
- 1 - Pony 7/8" x 2' w/2-1/2" guides
- 1 - K-bar 1-1/2" x 25'
- 1 - Pony 7/8" x 2' w/2-1/2" guides
- 201 - 3/4" x 25' D-61 Plain
- 2 - Pony 3/4" x 8'
- 1 - Pony 3/4" x 4'
- 1 - Polish Rod 1-1/4" x 22' SM

Press test tbg & DHP to 1000 psi, OK. RDMO.

DC: \$8,098

CC: \$229,889

10/01/96

Start well pumping. 5 SPM. 73" stroke.

DC: \$29,598

CC: \$259,487

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MT 59102 (406)259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NE Section 5, T9S, R17E
792' FNL & 1939' FEL

CONFIDENTIAL

5. Lease Designation and Serial No.

U-74808

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Monument Fed. 31-5-9-17

9. API Well No.

#43-013-31680

10. Field and Pool, or Exploratory Area

Monument Butte/Gn. River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

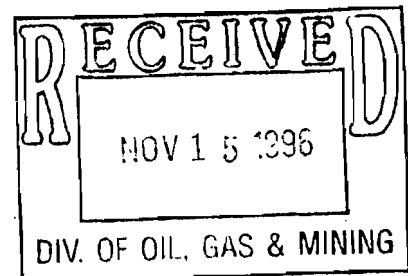
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Site Security Diagram
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is a Site Security Diagram for this well.



14. I hereby certify that the foregoing is true and correct

Signed Molly Corrao

Title Operations Secretary

Date 11-04-96

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

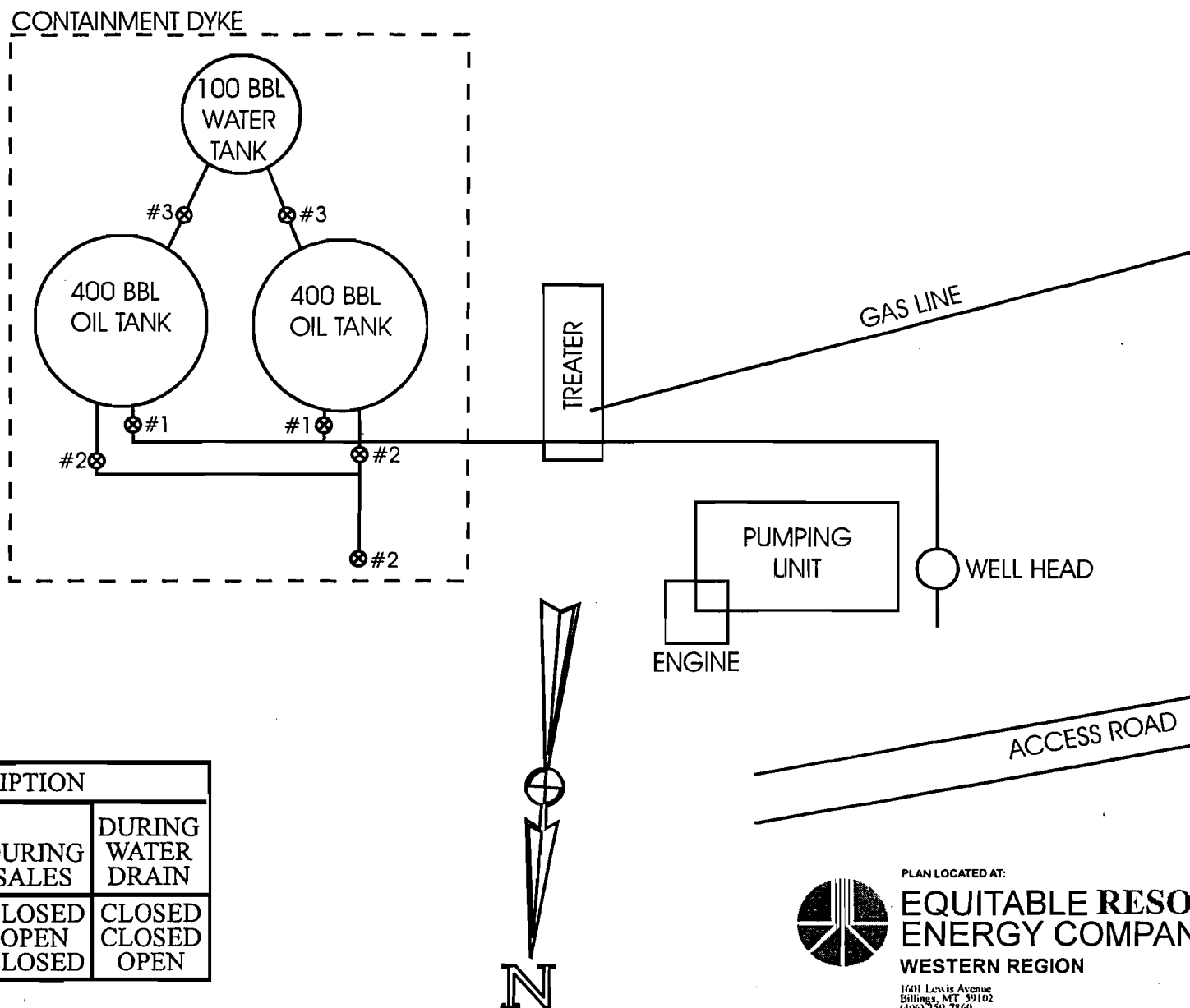
Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

EQUITABLE RESOURCES ENERGY COMPANY
MONUMENT FEDERAL #31-5-9-17
PRODUCTION FACILITY DIAGRAM

MONUMENT FEDERAL #31-5-9-17
NE NW SEC. 5, T9S, R17E
DUCHESNE COUNTY, UTAH
FEDERAL LEASE #U-74808



VALVE DESCRIPTION			
	DURING PROD.	DURING SALES	DURING WATER DRAIN
VALVE #1	OPEN	CLOSED	CLOSED
VALVE #2	CLOSED	OPEN	CLOSED
VALVE #3	CLOSED	CLOSED	OPEN

DIAGRAM NOT TO SCALE



PLAN LOCATED AT:

EQUITABLE RESOURCES
ENERGY COMPANY
WESTERN REGION

1601 Lewis Avenue
 Billings, MT 59102
 (406) 259-7860

NOVEMBER 7, 1996

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other ☐

CONFIDENTIAL

2. NAME OF OPERATOR
Equitable Resources Energy Company
3. ADDRESS OF OPERATOR
1601 Lewis Avenue, Billings, MT 59102 (406)259-7860
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface NW NE Section 5, T9S, R17E 792' FNL & 1939' FEL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
U-74808
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a
7. UNIT AGREEMENT NAME
n/a
8. FARM OR LEASE NAME
MONUMENT FEDERAL
9. WELL NO.
#31-5-9-17
10. FIELD AND POOL, OR WILDCAT
Monument Butte/Green River
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NW 1/4 Section 5, T9S, R17E

14. PERMIT NO. 43-013-31680 DATE ISSUED 7-22-96
12. COUNTY OR PARISH Duchesne 13. STATE Utah
15. DATE SPUDDED 8-27-96 16. DATE T.D. REACHED 9-3-96 17. DATE COMPL. (Ready to prod.) 10-1-96 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6912' GL 19. ELEV. CASINGHEAD n/a
20. TOTAL DEPTH, MD & TVD 5850' 21. PLUG, BACK T.D., MD & TVD 5753' 22. IF MULTIPLE COMPL., HOW MANY* n/a 23. INTERVALS DRILLED BY SFC-TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4204'-5065' Green River 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/GR SDLTDSN GR/CBL MUD 9-9-96 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)
Casing Size Weight, lb./ft. Depth Set (MD) Hole Size Cementing Record Amount Pulled
8 5/8" 24# 273.85' KB 12 1/4" 160 sxs "G" w/additives None
5 1/2" 15.5# 5810' KB 7 7/8" 250 sxs "G" w/additives None

29. LINER RECORD 30. TUBING RECORD
Size Top (MD) Bottom (MD) Sacks Cement* Screen (MD) Size Depth Set (MD) Packer Set (MD)
n/a 2 7/8" 5125.85' KB n/a

31. PERFORATION RECORD (Interval, size and number) 4204'-5065' Green River
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
Depth Interval (MD) Amount and Kind of Material Used
(SEE ATTACHMENT)
NOV 15 1996
DIV. OF OIL, GAS & MINING

33. PRODUCTION
Date First Production 10-1-96 Production Method (Flowing, gas lift, pumping—size and type of pump) 1 1/2" Insert Pump Well Status (Producing or shut-in) Producing
Date of Test 10-14-96 Hours Tested 24 Choke Size n/a Prod'n. for Test Period 83 OIL—BBL. 23 GAS—MCF. 2 WATER—BBL. 277 G.R.
Flow. Tubing Press. n/a Casing Pressure n/a Calculated 24-hour Rate 83 GAS—MCF. 23 WATER—BBL. 2 OIL GRAVITY-API (CORR.) 34

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.) Used for fuel. TEST WITNESSED BY Dale Griffin

35. LIST OF ATTACHMENTS #32.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Molly Conrad TITLE Operations Secretary DATE 11-04-96

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			No DST's run./

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Green River	1547'	1547'
Horse Bench S.S.	2276'	2276'
2nd Garden Gulch	3926'	3926'
Yellow Marker	4550'	4550'
Douglas Creek	4713'	4713'
2nd Douglas Creek	4954'	4954'
Green Marker	5106'	5106'
BlackShale Facies	5484'	5484'
Carbonate Marker	5566'	5566'

**ATTACHMENT TO COMPLETION REPORT
MONUMENT FEDERAL # 31-5-9-17
NE NW SECTION 5, T9S, R17E
DUCHESNE COUNTY, UTAH**

<u>DEPTH INTERVAL</u>	<u>AMOUNT AND KIND OF MATERIAL USED</u>
4204'-4220'	Break down with 2,142 gallons 2% KCL water. Fracture with 93,700# 16/30 mesh sand with 25,830 gallons 2% KCL gelled water.
4265'-4274'	Break down with 1,592 gallons 2% KCL water. Fracture with 93,700# 16/30 mesh sand with 25,830 gallons 2% KCL gelled water.
4801'-4804'	Break down with 1,932 gallons 2% KCL water. Fracture with 37,000# 16/30 mesh sand with 13,860 gallons 2% KCL gelled water.
4743'-4748'	Break down with 2,184 gallons 2% KCL water. Fracture with 37,000# 16/30 mesh sand with 13,860 gallons 2% KCL gelled water.
5056'-5065'	Break down with 1,932 gallons 2% KCL water. Fracture with 6,000# 20/40 mesh sand and 29,400# 16/30 mesh sand with 14,154 gallons 2% KCL gelled water.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-74808
2. Name of Operator Equitable Resources Energy Company	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. 1601 Lewis Avenue, Billings, MT 59102 (406)259-7860	7. If Unit or CA, Agreement Designation n/a
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW NE Section 5, T9S, R17E 792' FNL & 1939' FEL	8. Well Name and No. Monument Federal 31-5-9-17
	9. API Well No. 43-013-31680
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State NW NE Section 5, T9S, R17E

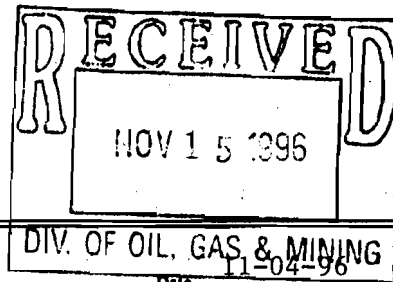
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Onshore Order #7</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location for the Vernal Bureau of Land Management.



14. I hereby certify that the foregoing is true and correct

Signed Molly Conrad

Title Operations Secretary

Date

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title

Date

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: MONUMENT FEDERAL #31-5-9-17API number: #43-013-316802. Well Location: QQ _____ Section 5 Township 9 Range 17 County Duchesne3. Well operator: Equitable Resources Energy CompanyAddress: 1601 Lewis AvenueBillings, MT 59102Phone: (406)259-78604. Drilling contractor: Union DrillingAddress: Drawer 40Buckhannon, West VA 26201Phone: (304)472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		(NO MEASURABLE WATER DURING DRILLING OPERATIONS.)	

6. Formation tops: SEE COMPLETION.

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name & Signature: Molly Conrad

Title: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

475 - 17th Street, Suite 1500, Denver, CO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See Attached Exhibit

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

See Attached

7. If Unit or CA, Agreement Designation

See Attached

8. Well Name and No.

See Attached

9. API Well No.

See Attached

10. Field and Pool, or Exploratory Area

See Attached

11. County or Parish, State

See Attached

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

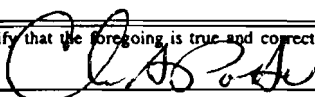
Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was:

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under BLM Bond No. UT0056 issued by The Hartford Insurance Group.

14. I hereby certify that the foregoing is true and correct

Signed



Title

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date

9/30/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ BALCRON FEDERAL #24-3Y	SESW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31397-00	UTU75037	
✓ BALCRON FEDERAL #44-4Y	SESE 4 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31452-00	UTU65967	
✓ BALCRON FEDERAL #14-3Y	SW SW 3 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31535-00	UTU75037	
✓ MONUMENT FEDERAL #11-11Y	NW NW 11 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31593-00	UTU65210	
✓ MONUMENT FEDERAL #31-5-9-17	NW NE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31680-00	UTU74808	
✓ ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #12-5	SWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30611-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #12-6	SWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30582-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #21-5	NENW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30612-00	UTU020252	UTU72086A
✓ ALLEN FEDERAL #21-6	LOT3 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30584-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #23-6	NESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30558-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #32-6	SWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30559-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #34-6	SWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30586-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #41-6	NENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30581-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #43-6	NESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30583-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL A #1	NWNW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15780-00	UTU020252	UTU72086A
✓ C&O GOV'T #1	NWSW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15111-00	UTU035521A	UTU72086A
✓ C&O GOV'T #2	NWSE 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15112-00	UTU035521	UTU72086A
✓ C&O GOV'T #4	NESW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ CASTLE PEAK FEDERAL #22-15	SENW 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30634-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #24-15	SESW 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30631-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #31-15	NWNE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30613-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #33-15	NWSE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30632-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #44-10	SESE 10 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30630-00	UTU017985	UTU72086A
✓ CASTLE PEAK FEDERAL #42-15	SENE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30633-00	UTU017985	UTU72086A
✓ FEDERAL #2-1	NENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30603-00	UTU33992	UTU72086A
✓ GETTY #12-1	NWNE 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30889-00	UTU44426	UTU72086A
✓ GETTY #7-A	NENE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30926-00	UTU44426	UTU72086A
✓ GETTY #7-C	NENW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30961-00	UTU44426	UTU72086A
✓ GOATES FEDERAL #1	SESW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15789-00	UTU096547	UTU72086A
✓ GOATES FEDERAL #3	NWNW 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15791-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #1-14	SWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30703-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-23	NESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30646-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE #1-34	SWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30736-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-43	NESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30734-00	UTU52013	UTU72086A



RECEIVED

OCT 16 1997

October 7, 1997

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RE: Change of Operator
Duchesne & Vernal Counties, Utah


Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

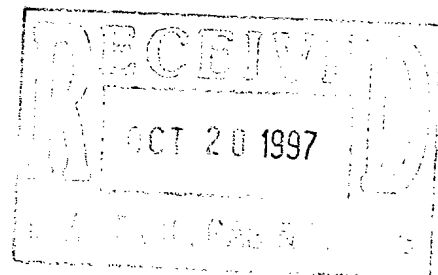
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY


Patsy Barreau

/pb
encls.





United States Department of the Interior

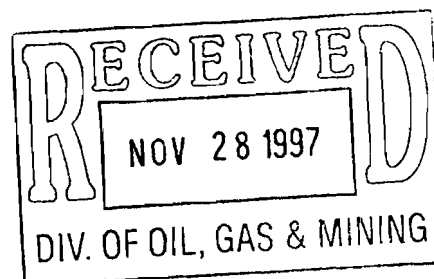
BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

Phone: (801) 781-4400
Fax: (801) 781-4410

IN REPLY REFER TO:
3162.3
UT08438

November 20, 1997



Inland Production Company
475 17th Street, Suite 1500
Denver, CO 80202

43-013-3168D
Re: Well No. Monument Fed. 31-5-9-17
NWNE, Sec. 5, T9S, R17E
Lease U-74808
Duchesne County, Utah

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II
Assistant Field Manager,
Minerals Resources

cc: Division of Oil, Gas & Mining
Equitable Resources Energy Company

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

1-LEC	6-VEC
2-GLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES COMPANY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&G</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

Name: **SEE ATTACHED**	API: <u>43-013-3680</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Rec'd 12-10-97)*
2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 10-20-97)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) ____ If yes, show company file number: _____
4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(12-2-97)*
6. Cardex file has been updated for each well listed above. *(12-3-97)*
7. Well file labels have been updated for each well listed above. *(12-3-97)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(12-3-97)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- JEC 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A JEC 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- ____ 2. A copy of this form has been placed in the new and former operator's bond files.
- ____ 3. The FORMER operator has requested a release of liability from their bond (yes/no) ____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A DTJ 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A ^{12/5/97} 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 ____, of their responsibility to notify all interest owners of this change.

FILMING

- VB 1. All attachments to this form have been microfilmed. Today's date: 1.7.98.

FILING

- ____ 1. Copies of all attachments to this form have been filed in each well file.
- ____ 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

971202 Blm/Vernal Aprv. Nov. 10, 13 & 20, 1997.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 11 of 14

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S
 EQUITABLE RESOURCES ENERGY
 PO BOX 577
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 9 / 97AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 41-18-9-16Y								
4301331646	11941	09S 16E 18	GRRV			u 74390		
MONUMENT FEDERAL 13-22-8-17Y								
4301331583	11942	08S 17E 22	GRRV			u 67845		
MONUMENT FEDERAL 42-6-9-16Y								
4301331645	11947	09S 16E 6	GRRV			u 74390		
MONUMENT FEDERAL 32-22-8-17								
4301331586	11959	08S 17E 22	GRRV			u 67845		
MONUMENT FEDERAL 43-6-9-16Y								
4301331644	11960	09S 16E 6	GRRV			u 74390		
MONUMENT FEDERAL 22-20-9-16								
4301331681	11961	09S 16E 20	GRRV			u 52018		
MONUMENT FEDERAL 14-4								
4301331666	11965	09S 16E 4	GRRV			u 034217A		
MONUMENT FEDERAL 11-22-9-16Y								
4301331647	11986	09S 16E 22	GRRV			u 64379		
MONUMENT FEDERAL 31-5-9-17								
4301331680	11987	09S 17E 5	GRRV			u 74808		
MONUMENT FEDERAL 24-17-9-16								
4301331682	11994	09S 16E 17	GRRV			u 52018		
MONUMENT STATE 11-2-9-17CD								
4301331685	11995	09S 17E 2	GRRV			ml 45555		
MONUMENT STATE 32-2								
4304732737	12000	09S 17E 2	GRRV			"		
MONUMENT FEDERAL 23-7-9-16Y								
4301331694	12019	09S 16E 7	GRRV			u 74390		
TOTALS								

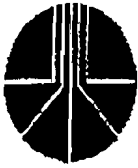
COMMENTS: _____

hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____



EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

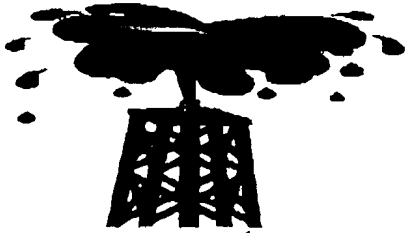
Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: Lisha
St of Utah.

FROM: Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.
Call if you need anything
further.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-74808

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

MONUMENT FEDERAL 31-5-9-17

9. API Well No.

43-013-31680

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

0792 FNL 1939 FEL NW/NE Section 5, T09S R17E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

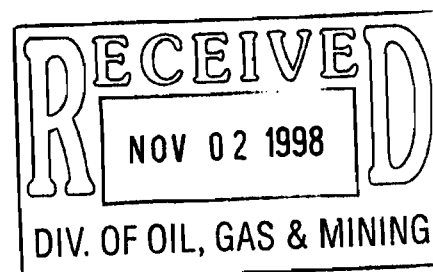
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Site Security**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

Dekker E. Knight

Title

Manager, Regulatory Compliance

Date

10/28/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Inland Production Company

Site Facility Diagram

Monument Federal 31-5

NW/NE Sec. 5, T9S, 17E

Duchesne County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

Production Phase:

- 1) Valves 1 and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 1 open

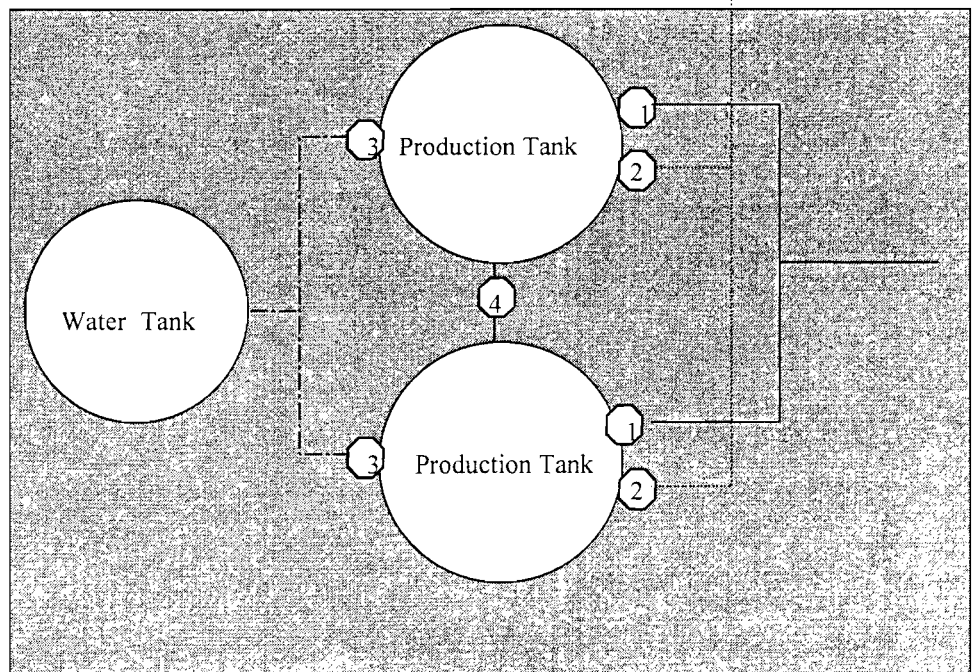
Draining Phase:

- 1) Valve 3 open

Diked Section

Gas Sales Meter

Pumping Unit



Emulsion Line

Load Line —————

Water Line - - - - -

Gas Sales -

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-74808

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

MONUMENT FEDERAL 31-5-9-17

9. API Well No.

43-013-31680

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒

Oil
Well

☐

Gas
Well

☐

Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

0792 FNL 1939 FEL

NW/NE Section 5, T09S R17E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other Site Security

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

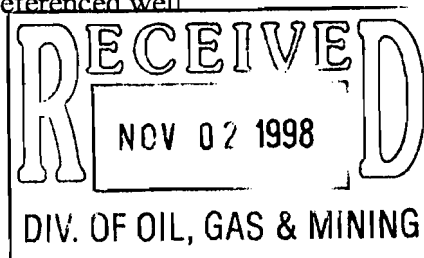
☐

Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well



14. I hereby certify that the foregoing is true and correct

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

10/30/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious
or fraudulent statements or representations as to any matter within its jurisdiction.

Inland Production Company Site Facility Diagram

Federal 31-5Y

NW/NE Sec. 5, T9S, 18E

Uintah County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

Production Phase:

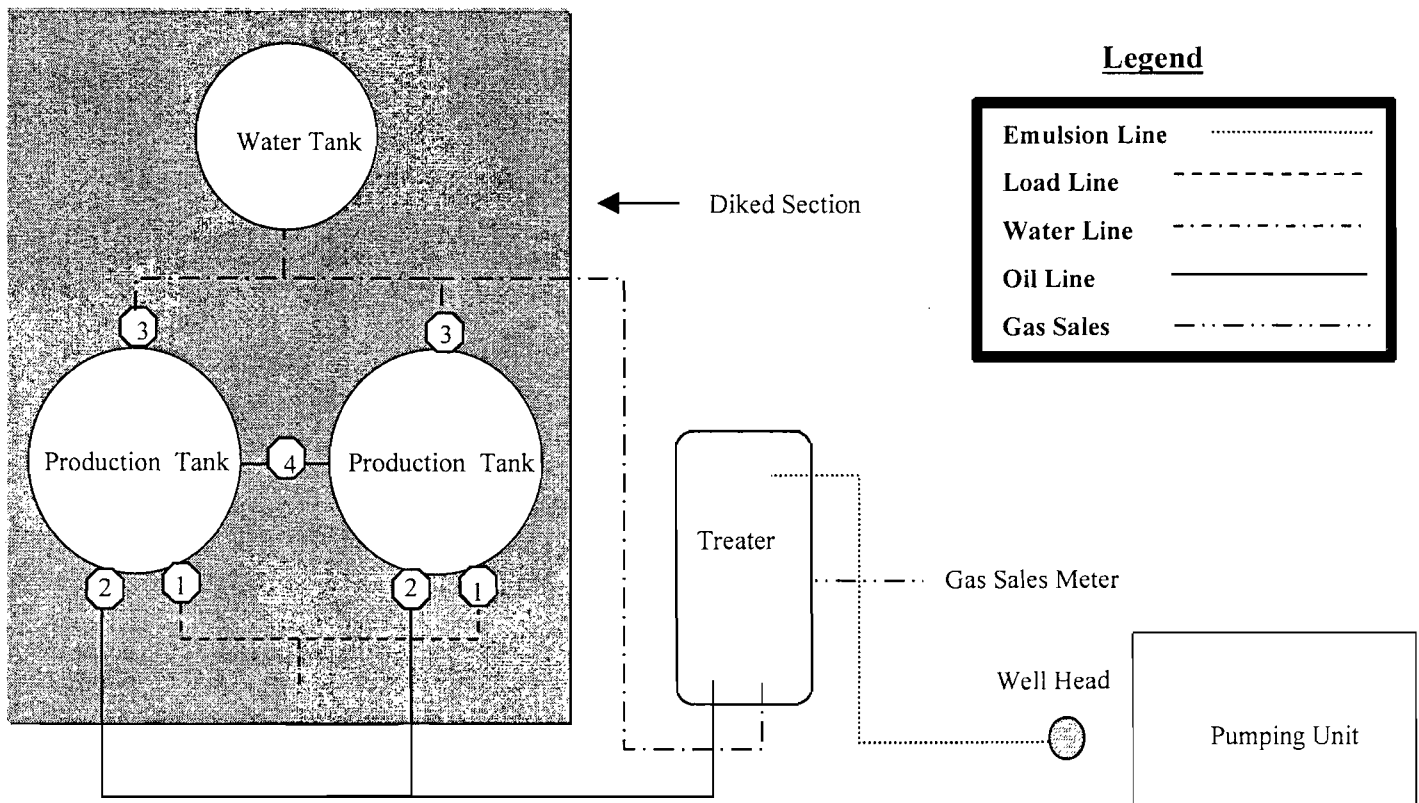
- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

Draining Phase:

- 1) Valve 3 open





RECEIVED

FEB 10 2000

**DIVISION OF
OIL, GAS AND MINING**

February 8, 2000

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well,
Balcron Monument Federal #31-5-9-17 *43-013-31680 / uic-250.4*
Monument Butte Field, Blackjack Unit, Lease #U-74808
Section 5-Township 9S-Range 17E
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Balcron Monument Federal #31-5-9-17 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Mike Mihaljevich at (303) 382-4434.

Sincerely,

David Donegan
Manager of Operations

INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
BALCRON MONUMENT FEDERAL #31-5-9-17
BLACKJACK UNIT
MONUMENT BUTTE (GREEN RIVER) FIELD
LEASE #U-74808
FEBRUARY 8, 2000

TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION WELL	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – BALCRON MONUMENT FEDERAL #31-5
ATTACHMENT E-1	WELLBORE DIAGRAM – GILSONITE STATE #14-32
ATTACHMENT E-2	WELLBORE DIAGRAM – GILSONITE STATE #14I-32
ATTACHMENT E-3	WELLBORE DIAGRAM – GILSONITE STATE #15-32
ATTACHMENT E-4	WELLBORE DIAGRAM – GOVERNMENT #4-1
ATTACHMENT E-5	WELLBORE DIAGRAM – ALLEN FEDERAL #1-5A
ATTACHMENT E-6	WELLBORE DIAGRAM – ALLEN FEDERAL #21-5
ATTACHMENT E-7	WELLBORE DIAGRAM – BALCRON MONUMENT FEDERAL #22-5J
ATTACHMENT E-8	WELLBORE DIAGRAM – ALLEN FEDERAL #43-5
ATTACHMENT F	WATER ANALYSIS OF THE PRIMARY FLUID TO BE INJECTED
ATTACHMENT F-1	WATER ANALYSIS OF THE SECONDARY FLUID TO BE INJECTED
ATTACHMENT F-2	ANALYSIS OF FORMATION WATER FROM THE BALCRON MONUMENT FEDERAL #31-5-9-17
ATTACHMENT F-3	ANALYSIS OF THE COMPATIBILITY OF THE INJECTED AND FORMATION FLUIDS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	TREATMENT REPORT DATED 9-11-96
ATTACHMENT G-2	TREATMENT REPORT DATED 9-16-96
ATTACHMENT G-3	TREATMENT REPORT DATED 9-16-96
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUGGING AND ABANDONMENT
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

Balcron Monument Federal #31-5-9-17

Spud Date: 8-28-96
Put on Production: 10-1-96
GL: 5218' KB: 5228'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 5 jts. (263.85')
DEPTH LANDED: 273.85' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx Class "G", est ? Bbbs cmt to surface

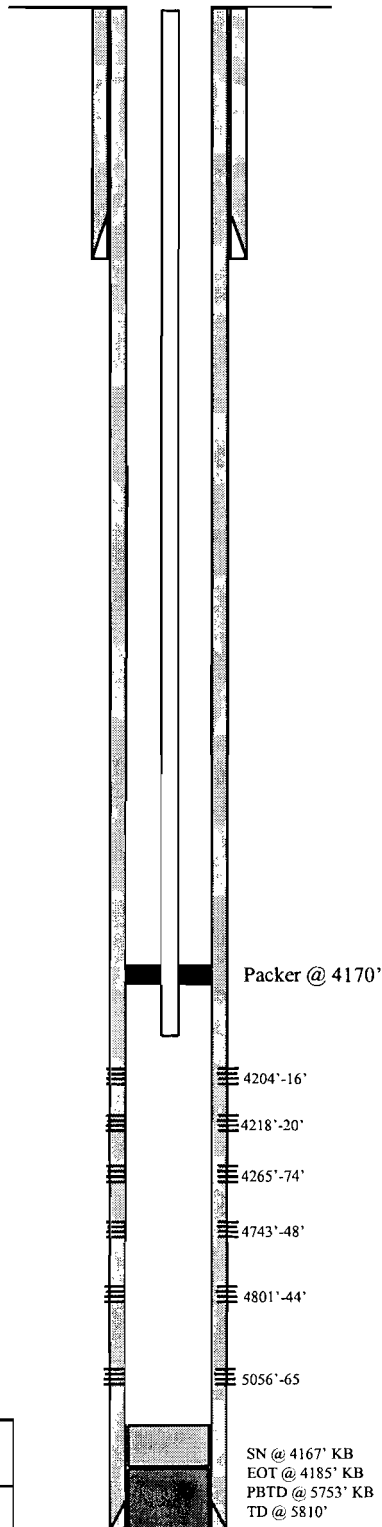
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 142 jts.
DEPTH LANDED: 5810' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 250 sx Class G & 475 sx 50/50 Poz
CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / M-50
NO. OF JOINTS: 134 jts
PACKER: 4170' KB
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 4185' KB
SN LANDED AT: 4167' KB

Proposed Injection Wellbore Diagram



Inland Resources Inc.

Balcron Monument Federal #31-5-9-17

792 FNL 1939 FEL

NWNE Section 5-T9S-R17E

Duchesne Co, Utah

API #43-013-51860, Lease #U-74808

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Balcron Monument Federal #31-5-9-17 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Blackjack Unit.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. In the Balcron Monument Federal #31-5-9-17 well, the proposed injection zone is from 4204' - 5065'. The confining strata directly above and below the injection zones are the top of the Garden Gulch formation and the Basal Carbonate. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Balcron Monument Federal #31-5-9-17 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #U-74808) in the Monument Butte (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 274' KB, and 5-1/2" 15.5# K-55 casing run from surface to 5810' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, F-2, and F-3

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1300 psig and the maximum injection pressure will not exceed 1794 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Balcron Monument Federal #31-5-9-17, for proposed zones (4204' - 5065') calculates at .862 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1794 psig. See Attachment G through G-3.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Balcron Monument Federal #31-5-9-17, the injection zone (4204' - 5065') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' within the Monument Butte area. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-8.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Inland Production Company will supply any requested information to the Board or Division.

Attachment A

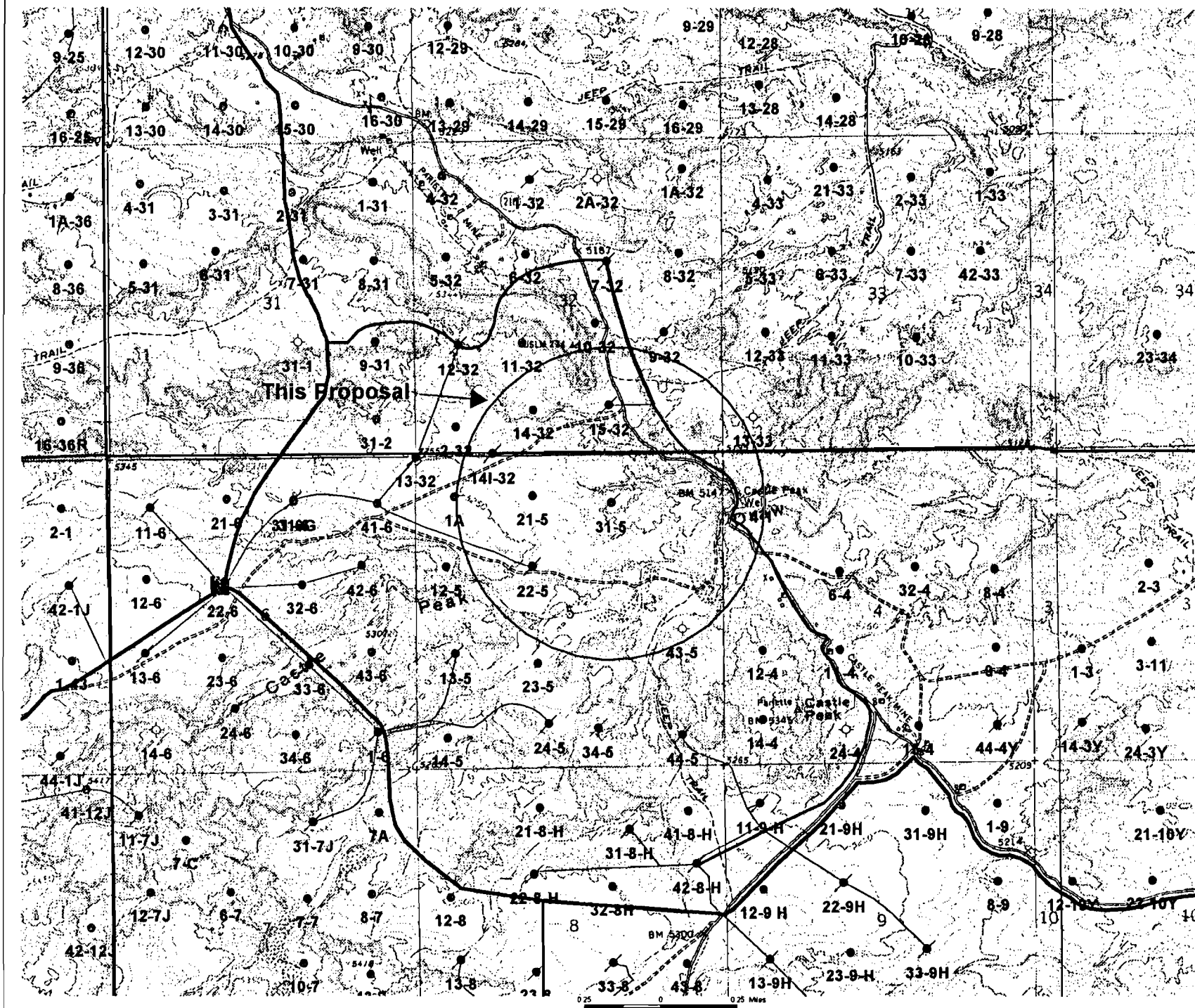


Exhibit "A"



Well Categories

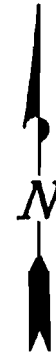
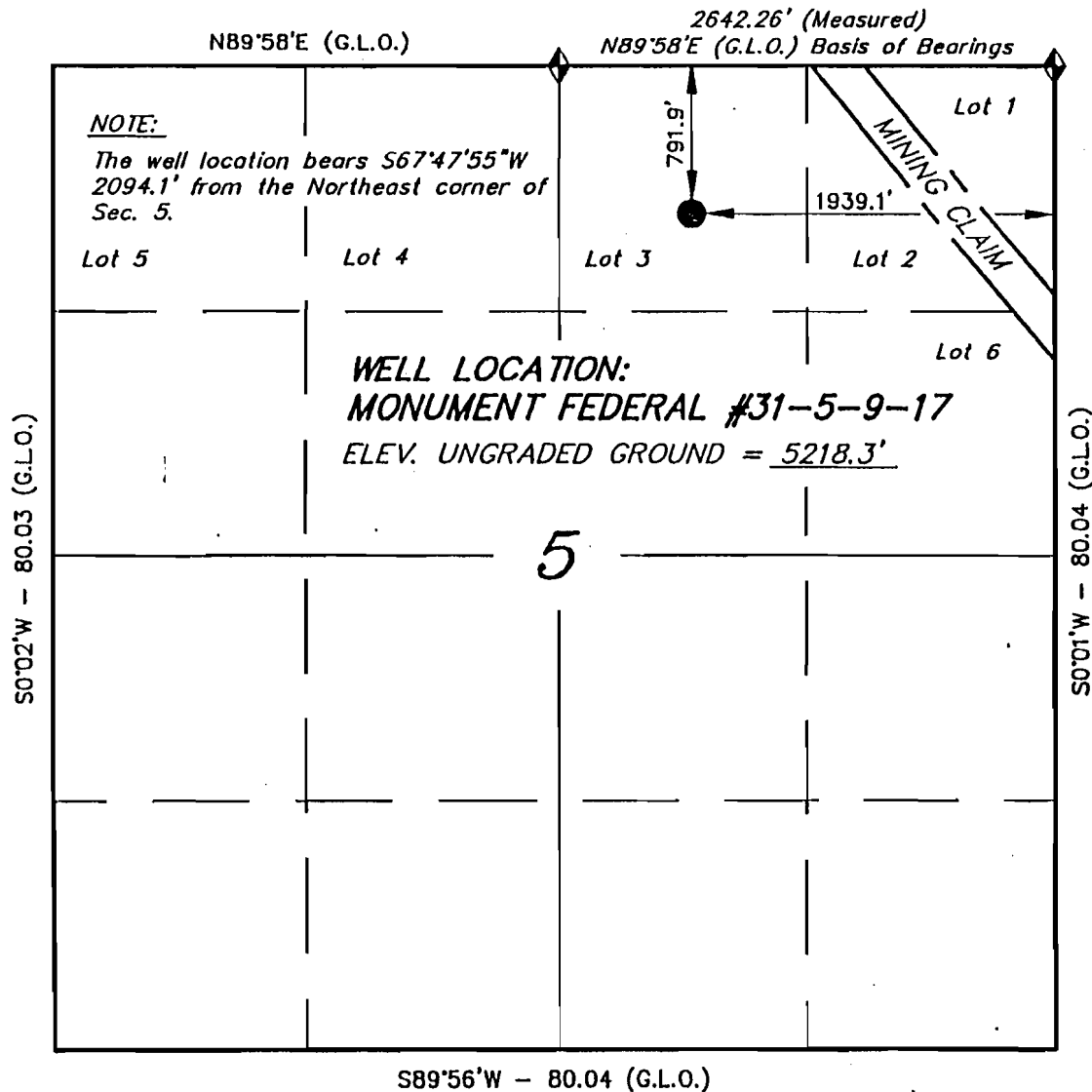
- INJ
- OIL
- DRY
- SHUTIN
- Water 6"
- Water 4"
- Water 2 - 3"
- Injectors

Uinta Basin
 Dackman & Wirth, Colorado, Utah
 4101 1/2 Street Suite 700
 Denver, Colorado 80202
 Phone (303) 493-8112
 Date: 1-11-88

T9S, R17E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, MONUMENT FEDERAL
#31-5-9-17, LOCATED AS SHOWN IN LOT 3
OF SECTION 5, T9S, R17E, S.L.B.&M.
DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

Stacy W. S.
REGISTERED LAND SURVEYOR
REGISTRATION NO. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH - VERNAL, UTAH 84078
(801) 781-2501

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

SCALE: 1" = 1000'	SURVEYED BY: S.S. D.S.
DATE: 2-29-96	WEATHER: WINDY & COLD
NOTES:	FILE #

Attachment B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 8 South, Range 17 East</u> Section 32: Lots, 1-11, NE/4 NE/4NW/4, NW/4SW/4, NE/4SE/4	ML-22060 HBP	Inland Production Company Key Production Company, Inc. Kaiser Francis Oil Company Goldrus Drilling Jack N. Warren King Oil & Gas of Texas Ltd.	(Surface Rights) State
2	<u>Township 8 South, Range 17 East</u> Section 33: SW/4NE/4, W/2NW/4 SE/4NW/4, SW/4, E/2SE/4	UTU-77234 HBP	Inland Production Company	(Surface Rights) USA
3	<u>Township 9 South, Range 17 East</u> Section 4: Lots 1-12, S/2N/E4 SE/4NW/4, S/2SE/4 Section 31: NE/4, E/2NW/4, NE/4SE/4	UTU-75038 HBP	Inland Production Company Fred Lieber Yates Petroleum Corporation Yates Drilling Company Myco Industries, Inc. Abo Petroleum Corporation	(Surface Rights) USA
4	<u>Township 9 South, Range 17 East</u> Section 5: Lots 1, 2, 3, 6, SW/4NE/4 N/2SE/4	UTU-74808 HBP	Inland Production Company	(Surface Rights) USA

Attachment B
Page 2

#	Land Description	Minerals Ownership	Minerals Leased By
5	<u>Township 9 South, Range 17 East</u> That portion of the Dalton Lode Mineral Survey Lot 40, lying in Section 5 containing 2.5 acres, more or less. that portion of the Alice Lode Mineral Survey Lot 41, Lying in Section 4 containing 5.6 acres, more or less. that portion of the Remington Lode Mineral Survey Lot 42, lying in Sections 4 & 5 and containing 2.8 acres, more or less	American Gilsonite Company	Inland Production Company Yates Petroleum Corporation Yates Drilling Company Abo Petroleum Corporation Myco Industries, Inc.
6	<u>Township 9 South, Range 17 East</u> Section 4: Baxter Lode "A" Mineral Survey No 5566, Baxter Lode "B" Mineral Survey No 5567, Baxter Lode "C" Mineral Survey No 5565, Baxter Lode "D" Mineral Survey No 5564, Lying in Sections 4 & 9 Section 9: Baxter Lode "E" Mineral Survey No 5563	Ziegler Chemical & Mineral Company	Inland Production Company Yates Petroleum Corporation Yates Drilling Company Abo Petroleum Corporation Myco Industries, Inc.

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Balcon Monument Federal #31-5-9-17

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: David Donegan
Inland Production Company
David Donegan
Manager of Operations

Sworn to and subscribed before me this 8th day of February, 2000.

Notary Public in and for the State of Colorado: Patsy A. Barreau



My Commission Expires 11/14/2000

Attachment E

Balcron Monument Federal #31-5-9-17

Spud Date: 8-28-96
Put on Production: 10-1-96
GL: 5218' KB: 5228'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 5 jts. (263.85')
DEPTH LANDED: 273.85' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx Class "G", est ? Bbls cmt to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 142 jts.
DEPTH LANDED: 5810' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 250 sx Class G & 475 sx 50/50 Poz
CEMENT TOP AT: 570 CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / M-50
NO. OF JOINTS: 164 jts
TUBING ANCHOR: 5026.41' KB
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5121.26' KB
SN LANDED AT: 5091.51' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22'
SUCKER RODS: 2 - 8'X3/4" pony, 188 - 3/4" plain, 8 - 3/4" scraped, 6 - 1" scraped, 1 - 2'x1" scraped pony, 1 - 8'x1-1/2" pony, 1 - 2'x1" Scrapered pony rods.
PUMP SIZE: 2 1/2" x 1-1/2" x 16' RHAC
STROKE LENGTH: 73"
PUMP SPEED, SPM: 3 SPM
LOGS:

Wellbore Diagram



Initial Production: 83 BOPD,
23 MCFPD, 2 BWPD

FRAC JOB

<p>9-11-96 5056'-5065'</p> <p>9-16-96 4743'-4804'</p> <p>9-16-96 4204'-4274'</p>	<p>Frac sand as follows: 14,154 gal 2% KCL gelled water w/6,000# 20/40 and 29,400# 16/30 sand. Perfs broke @ 2900 psi. Treated w/avg press of 2000 psi w/avg rate of 24.6 BPM. ISIP-2170 psi, 5 min 1820 psi.</p> <p>Frac sand as follows: 13,860 gal 2% KCL gelled water w/37,000# 16/30 sand. Perfs broke @ 3600 psi. Treated w/avg press of 2500 psi w/avg rate of 34.8 BPM. ISIP-2630 psi, 5 min 1980 psi.</p> <p>Frac sand as follows: 25,830 gal 2% KCL gelled water w/93,700# 16/30 sand. Perfs broke @ 2600 psi. Treated w/avg press of 2100 psi w/avg rate of 34.8 BPM. ISIP-2170 psi, 5 min 2050 psi.</p>
--	--

PERFORATION RECORD

9-10-96	5056'-5065'	4 JSPF	36 holes
9-14-96	4743'-4748'	? JSPF	? holes
9-14-96	4801'-4804'	? JSPF	? holes
9-17-96	4204'-4216'	2 JSPF	24 holes
9-17-96	4218'-4220'	2 JSPF	4 holes
9-17-96	4265'-4274'	2 JSPF	18 holes



Inland Resources Inc.

Balcron Monument Federal #31-5-9-17

792 FNL 1939 FEL

NWNE Section 5-T9S-R17E

Duchesne Co, Utah

API #43-013-31860, Lease #U-74808

SN @ 5092' KB
EOT @ 5121' KB
PBTD @ 5753' KB
TD @ 5810'

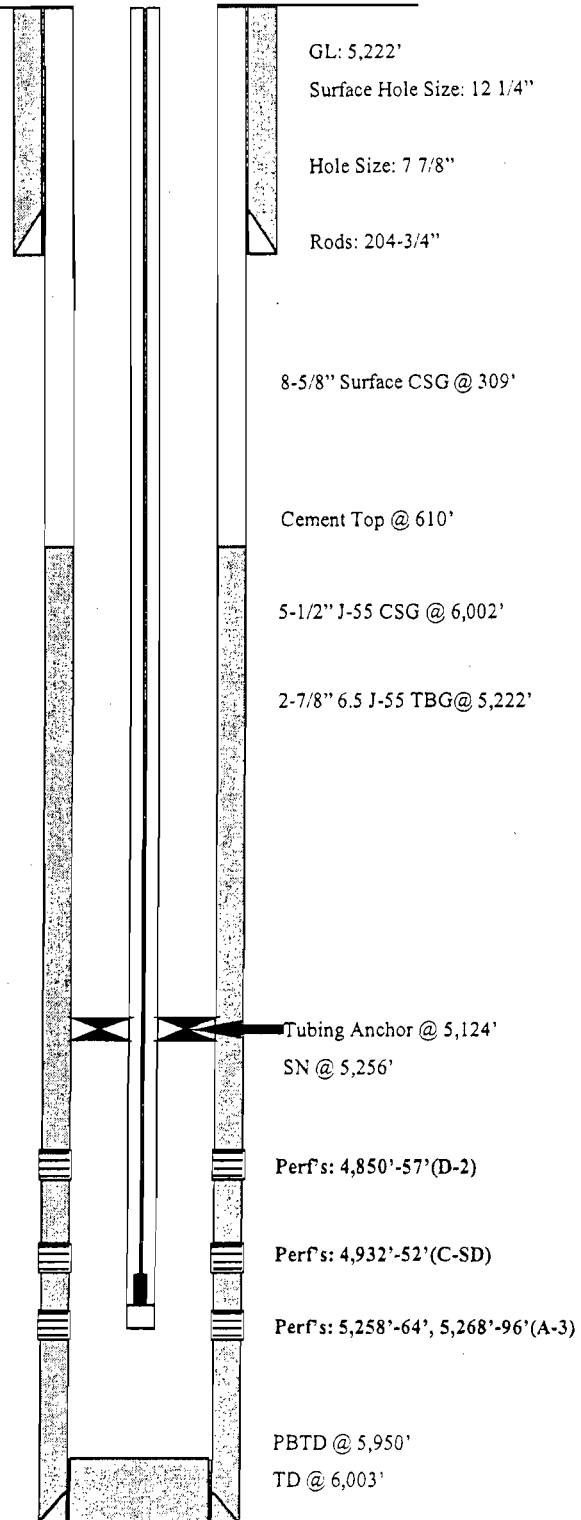
Attachment E-1

Gilsonite State #14-32

Wellbore Diagram

Well History:

3-22-95	Spud Well
4-25-95	Perf: 5,258'-5,264', 5,266'-5,296'
4-28-95	Frac A-3 zone as follows: Totals 20,825 gal, 102,400# 20/40sd ISIP 2,000, after 5 min. 1,960
4-28-95	Perf: 4,932'-4,952'
4-28-95	Frac C-SD zone as follows: Totals 10,793 gal, 50,800# 16/30 sd
5-3-95	Perf: 4,850'-4,857'
5-3-95	Frac D-2 zone as follows: Totals 338 bbls, 25,000# 16/30sd Max TP 3,650 @ 27 BPM Avg TP 2,200 @ 23 BPM ISIP 2,250



Inland Resources Inc.

Gilsonite State #14-32

795 FSL 2005 FWL

SESW Section 32-T8S-R17E

Duchesne Co, Utah

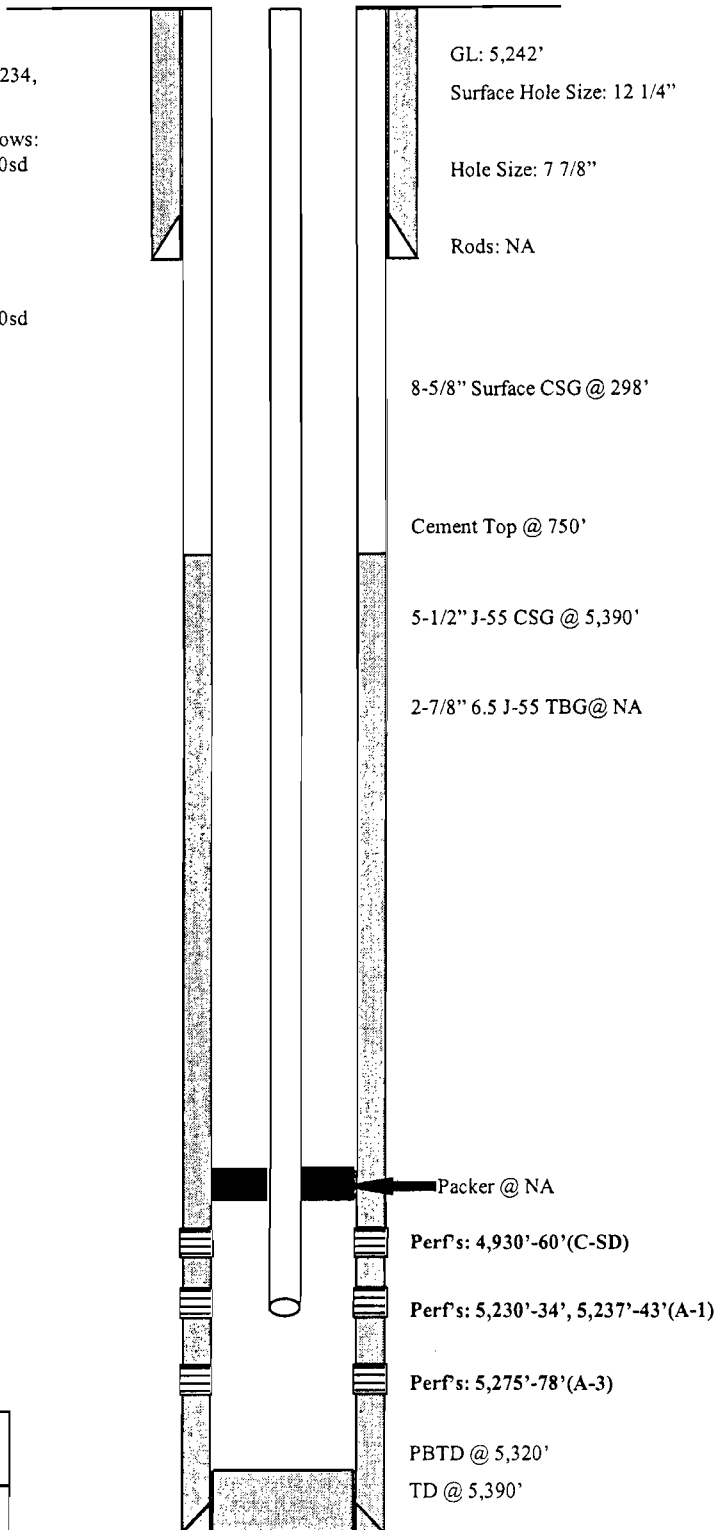
API #43-013-31480; Lease #ML-22061

Attachment E-2 Gilsonite State #14I-32

Injection Well Wellbore Diagram

Well History:

6-30-95	Spud Well
7-26-95	Perf: 5,275'-5,278', 5,230'-5,234, 5,237'-5,243'
7-27-95	Frac A-3 and A-1 zone as follows: Totals 1,800 gal, 4,500# 16/30sd Avg TP 2,300 @ 25 BPM ISIP 3,300
7-27-95	Perf: 4,930'-4,960'
7-27-95	Frac C-SD zone as follows: Totals 7,500 gal, 22,500 16/30sd Avg TP 2,300 @ 25 BPM



Inland Resources Inc.

Gilsonite State #14I-32

1310 FWL 4 FSL

SWSW Section 32-T8S-R17E

Duchesne Co, Utah

API #43-013-31523; Lease #ML-21839

Attachment E-3 Gilsonite State #15-32

Injection Well Wellbore Diagram

Spud Date: 2/15/96
Put on Production: 3/15/96
GL: 5208' KB: 5221'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: ? jts. (305.75')
DEPTH LANDED: 305'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: ? jts. (6075')
DEPTH LANDED: 6075'
HOLE SIZE: 7-7/8"
CEMENT DATA: 285 sxs thixotropic
CEMENT TOP AT: 2296' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-30 / 6.5#
NO. OF JOINTS: 158 jts (4895.75')
TUBING ANCHOR: 4908.79'
SEATING NIPPLE: 2-7/8" (1.10')
MUD ANCHOR: 1 jt w/ 2-7/8" NC (.55')
TOTAL STRING LENGTH: 5068' (EOT @ 5068.10')
SN LANDED AT: 4942.59'

SUCKER RODS

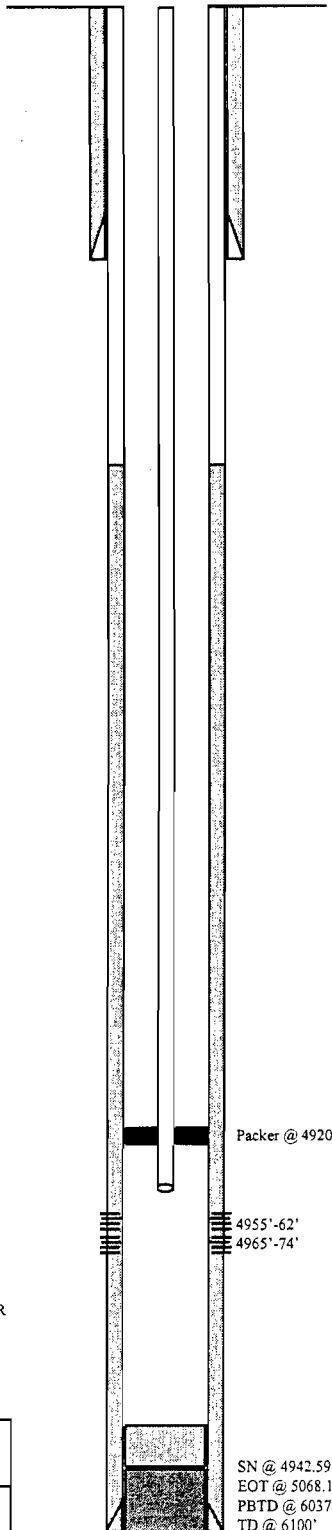
POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 93-3/4" slick, 96-3/4" scapered
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC
STROKE LENGTH: 74"
PUMP SPEED, SPM: 6.5 SPM
PUMPING UNIT SIZE: ?
PRIME MOVER: ?
LOGS: Dual Laterlog, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

3/14/96 4955'-4974' Frac C sand w/ 96,100# of 16/30 sd in 600 bbls of Boragel. Breakdown @ 1658 psi, prefrac ISIP @ 419 psi. Treated @ avg rate 20.5 bpm, avg press 1760 psi screened out w/ 1204 gal left in flush, leaving 6500# sd in csg, 8 ppg on frmtn. ISIP 3660 psi, 1-min 2251, 2-min 1725, 3-min 1501 psi, 4-min 1416, 5-min 1370.

PERFORATION RECORD

Date	Interval	Tool	Holes
3/13/96	4955'-4962'	4 JSPF	28 holes
3/13/96	4965'-4974'	4 JSPF	36 holes



SN @ 4942.59'
EOT @ 5068.10'
PBTD @ 6037'
TD @ 6100'



Inland Resources Inc.

Gilsonite State #15-32

844 FSL 1963 FEL

SWSE Section 32-T8S-R17E

Duchesne Co, Utah

API #43-013-31484; Lease #ML-22061

Attachment E-4 Government #4-1

Spud Date: 7/13/66
Plugged: 7/27/98
GL: 5139' KB:5150'

Initial Production:

Plugged Diagram

SURFACE CASING

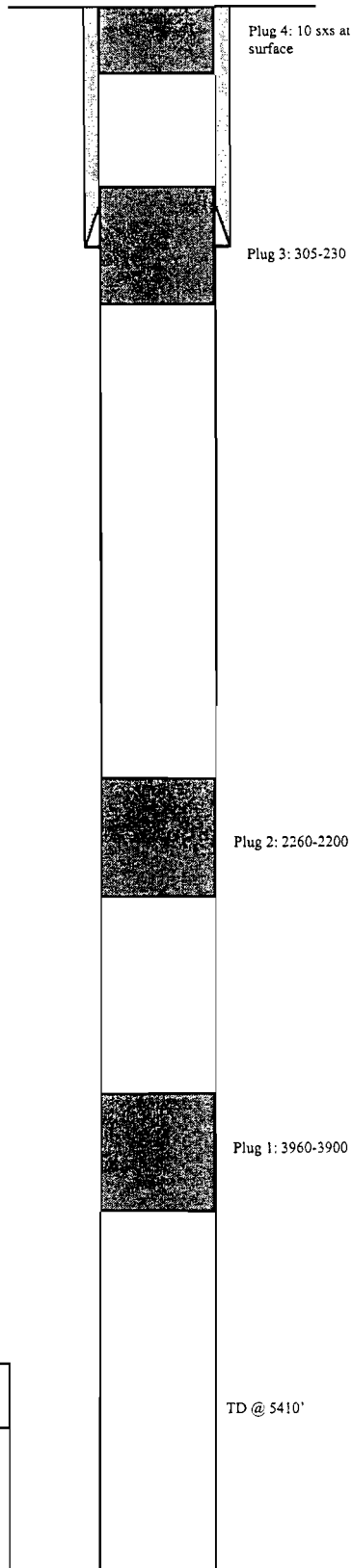
CSG SIZE: 8-5/8"
GRADE:
WEIGHT:
LENGTH:
DEPTH LANDED: 231'
HOLE SIZE:
CEMENT DATA: 170 sxs cmt.

PRODUCTION CASING

TUBING

SUCKER RODS

LOGS: DIGL/SP/GR/CAL
SDL/DSN/GR



Inland Resources Inc.

Government #4-1

660 FNL 660 FWL

NWNW Section 4-T9S-R17E

Duchesne Co, Utah

API #43-013-20081; Lease #:U-028252

Attachment E-5 Allen Federal #1-5A

Spud Date: 6/19 65

Put on Production: 7/30 65

GL: 5253' KB: 5263'

Initial Production: 142 STBOPD,
30 MCFD, 0 STBOPD

SURFACE CASING

STRING: 1
CSG SIZE: 8 5/8"
GRADE: J-55
WEIGHT: 24 lbs.
LENGTH: 6 jnts @ 230'
DEPTH LANDED: 240' KB
HOLE SIZE: 11"
CEMENT DATA: 125 sx Class-G w/ 2% HAS
Cement to surface

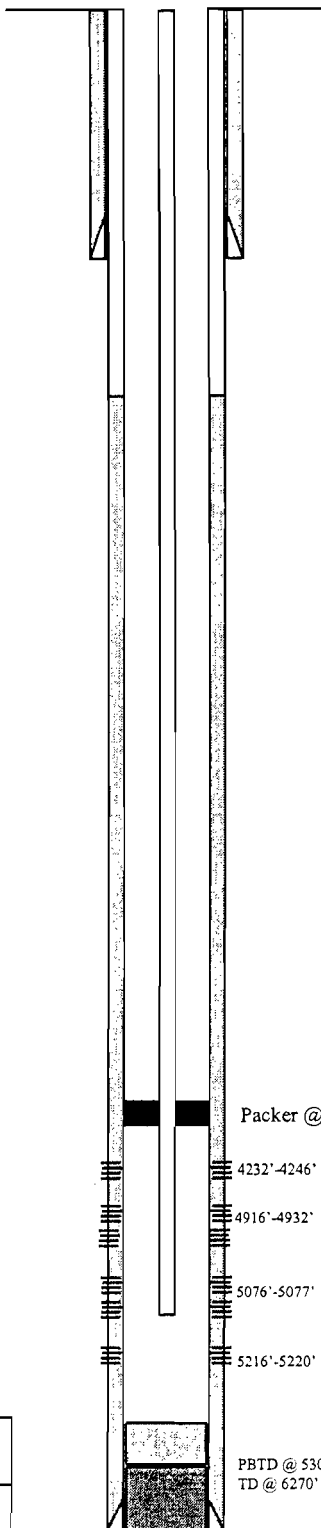
PRODUCTION CASING

STRING: 1
CSG SIZE: 4 1/2"
GRADE: J-55
WEIGHT: 11.60 lbs.
LENGTH: 5326'
DEPTH LANDED: 5336' KB
HOLE SIZE: 7 7/8"
CEMENT DATA: 500 sx 50-50 pozmix w/
1% CFR-2 & 10% salt.
CEMENT TOP AT: 3262' KB from CBL.

Tubing Record

SIZE-GRADE WT.: 2 3/8" J-55, 4.6#
NO. OF JOINTS: 166 jts. @ 5204'
PACKER: 4182'
NO. OF JOINTS:
SEATING NIPPLE: 2 3/8" x 1.1'
PERF. SUB: 2 3/8" x 2"
MUD ANCHOR: 2 3/8" x 31'
TOTAL STRING LENGTH: 5249.37'
SN LANDED AT: 5215' KB

Injection Well Wellbore Diagram



FRAC JOB

4232'-5220', Frac w/Dowel on 7-17-65.
43,000 gal gel water w/50,000 lbs 20-40
mesh sand, 3,000 gals gel water w/3,000
lbs 8-12 glass beads, Avg. 56.5 BPM @
3850 psig, ISIP @ 1650 psig, 15 min @
1600 psig, 16 hr @ 500 psig.

ACID JOB

1000 gal 15% Acid (250 gal per set of perfs)

PERFORATION RECORD

Depth Range	Shots	Perforation Size
4232'-4246'	9 shots	14'
4916'-4932'	10 shots	16'
5075'-5077'	3 shots	2'
5216'-5220'	3 shots	4'

Packer @ 4182'

4232'-4246'

4916'-4932'

5076'-5077'

5216'-5220'

PBD @ 5300'
TD @ 6270'



Inland Resources Inc.

Allen Federal #1-5A

660 FNL 660 FWL

NWNW Section 5-T9S-R17E

Duchesne Co, Utah

API #43-013-15780; Lease #U-020252

Attachment E-6 Allen Federal #21-5

Spud Date: 12/16/81

Put on Production: 2/19/82

GL: 5235' KB: 5245'

Initial Production: 73 STBOPD,
25 MCFD, 44 STBOPD

Wellbore Diagram

SURFACE CASING

STRING: 1
CSG SIZE: 8 5/8"
GRADE: K-55
WEIGHT: 24 lbs.
LENGTH: 7 jts @ 245'
DEPTH LANDED: 255' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 210 sx, Class-H.
Cemented to surface.

PRODUCTION CASING

STRING: 1
CSG SIZE: 5 1/2"
GRADE: K-55
WEIGHT: 15.5 lbs.
LENGTH: 129 jts @ 5380'
DEPTH LANDED: 5390' KB
D.V. TOOL: 3427'
HOLE SIZE: 7 7/8"
CEMENT DATA: 510 sx, 50-50 POZ
CEMENT TOP AT: 1140' KB from CBL

Tubing Record

SIZE/GRADE/WT.: 2 3/8" J-55, 4.7#
NO. OF JOINTS: 132 Jts (4102.06')
TUBING ANCHOR: 2-3/8"x5-1/2"x2.75'
NO. OF JOINTS: 34 Jts (1056.06')
SEATING NIPPLE: 2-3/8"x1.10'
PERF. SUB: 2-3/8"x6.15'
MUD ANCHOR: 2-3/8"x31.20'
TOTAL STRING LENGTH: 5213.72'
SN LANDED AT: 5176' KB

Sucker Rods

1-3/4"x2" Pony
1-3/4"x4" Pony
190-3 4"x25' D-54 Plain
15-3/4"x25' w/ Guides

PUMP SIZE: 2"x1 1/4"x12"x15' RHAC

STROKE LENGTH: 62"
PUMP SPEED, SPM: 7
PUMPING UNIT SIZE: Otek 114 serviced 10-13-92
PRIME MOVER:

LOGS: Cement Bond, Dual Induction-SFL,
Comp. Neutron-Formation Density, Cyberlook.

FRAC JOB

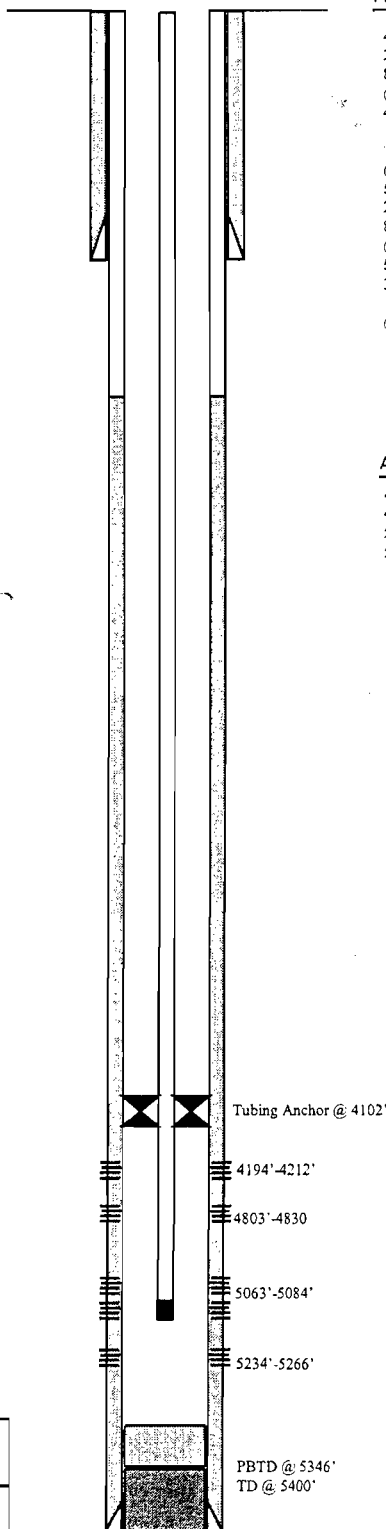
4194'-4212' Frac w/Dowell on 2-2-82.
23,000 gal YF4PSD Fluid w/36,000 lbs 20-40 sd, &
8000 lbs 10-20 sd, Avg 15 BPM @ 1900 psig, max
@ 2400 psig, ISIP @ 2100 psig, 15min @ 1775 psig.
4803'-4830' Frac w/Dowell on 1-31-82.
19,000 gal YF4PSD Fluid w/46,000 lbs 20-40 sd, &
12,000 lbs 10-20 sd, Avg 15 BPM @ 1700 psig, max
@ 2300 psig, ISIP @ 2100 psig, 15min @ 1700 psig.
5063'-5084' Frac w/Dowell on 1-29-81.
24,000 gal YF4PSD fluid w/40,000 lbs 20-40 sd, &
8000 lbs 10-20 sd, Avg 15 BPM @ 1900 psig, max
@ 2300 psig, ISIP @ 2300 psig, 15min @ 1900 psig.
5234'-5266' Frac w/Dowell on 1-26-82.
35,000 gal YF4PSD Fluid w/51,000 lbs 20-40 sd, &
12,000 lbs 10-20 sd, Avg 15 BPM @ 1500 psig, max
@ 2050 psig, ISIP @ 1900 psig, 15min @ 1850 psig.

ACID JOB

4194'-4212' 1000 gal 7.5% HCl Acid
4803'-4830' 1000 gal 7.5% HCl Acid
5063'-5084' 1000 gal 7.5% HCl Acid
5234'-5266' 1000 gal 7.5% HCl Acid
100 ball sealers were pumped, saw
action, balled out ISIP @ 1400 lbs.

PERFORATION RECORD

4194'-4212' (18') 2 SPF
4803'-4830' (27') 2 SPF
5063'-5084' (21') 2 SPF
5234'-5266' (32') 2 SPF



Inland Resources Inc.

Allen Federal #21-5

660 FNL 1980 FWL

NENW Section 5-T9S-R17E

Duchesne Co, Utah

API #43-013-30612; Lease #U-020252

Attachment E-7 Balcron Monument Federal #22-5J

Spud Date: 12-2-82

Put on Injection: 8-18-94

GL: 5488' KB: 5500'

Injection Diagram

Initial Production: 265 STBOPD,
100 MCFD, 0 STBWPD

SURFACE CASING

STRING: 1
CSG SIZE: 8 5/8"
GRADE: J-55
WEIGHT: 24 lbs.
LENGTH: 6 jts @ 265.50'
DEPTH LANDED: 273' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 150 sxs Class "G"
Cement to surface

PRODUCTION CASING

STRING: 1
SIZE: 5 1/2"
GRADE: J-55
WEIGHT: 15.5 lbs.
LENGTH: 136 jts @ 5833'
DEPTH LANDED: 5846' KB
HOLE SIZE: 7 7/8"
CEMENT DATA: 150 sxs Hilift Standard &
265 sxs 50-50 POZ
CEMENT TOP AT: 2860' KB from CBL

INJECTION EQUIPMENT & SIZE

Injection Equipment & Size	Length FT.	Setting Depth FT. (w/13' KB)
KB	13.00	
1) 153 jnts 2 7/8" tbg	4810.99	4823.99
2) 2 7/8" SN (2.25" ID)	1.10	4825.09
3) 5.5" Arrow Set-1 Pkr	6.20	4831.29
End of Tubing		4831.29

Injection Packers Set 9-28-94 By Mtn States.

2 7/8" SN ID @ 2.25"
Arrow Set-1 Pkr set w/ 18" Tension.
Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.

Injection Horizons

4890'-4906' KB RED5
5040'-5050' KB GREEN1

LOGS: Dual Laterolog, Micro-Spherically Focused
Log, Compensated Neutron, Gamma Ray

FRAC JOB

4890'-5048', Frac w/Western on 9-15-93.
Start pad @ 10.8 BPM @ 3000 psi, ISIP @ 1600 psig, shut frac down, will acidize.
4890'-5048', Frac w/Western on 9-17-93.
18,312 gals gelled KCL water w/37,300 lbs. 20-40 sand & 14,280 lbs 16-30 sand.
Avg 27.8 BPM @ 2850 psi, Max 28.3 BPM @ 3340 psi, ISIP @ 3100 psi, 5 min @ 1510 psi, 10 min @ 1450 psi, 15 min @ 1420 psi.

ACID JOB

4890'-4906' & 5041'-5048', Initial break 3100 psig to 2400 psig @ 4 BPM. Start balls, balls on perfs, balls off, surge balls back. Pump for rate 6 BPM @ 3000 spig, ISIP @ 1500 psi. Frac that followed did not work.
4890'-4906', Pump 250 gals 15% HCL, 2 balls per bbl., 12 balls, Max 5.5 BPM @ 4000 psi, Avg 5.0 BPM. Ball off, surge balls back, pump for rate 4.9 BPM @ 2500 psi.
5041'-5043' Pump 250 gals 15% HCL, 2 balls per bbl. Max 6 BPM @ 4500 psi, Avg 2 BPM.

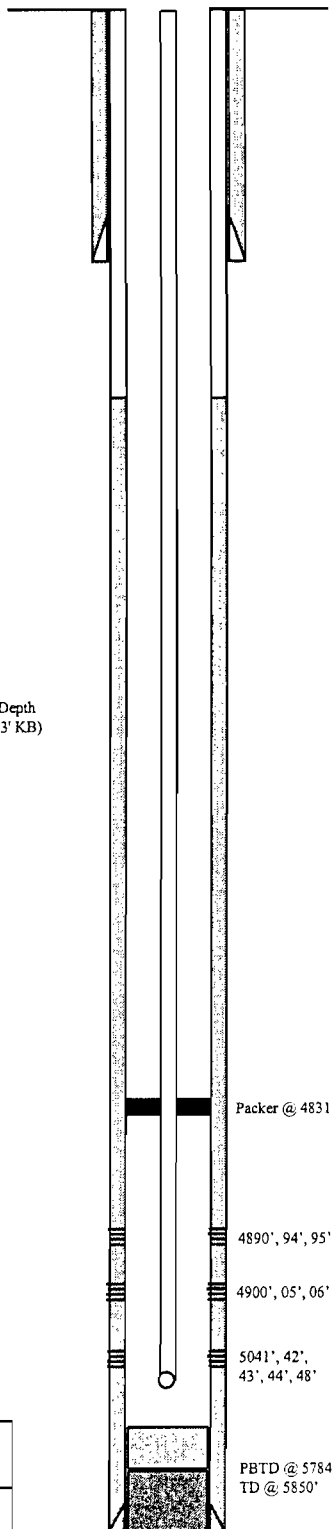
4888'-4896' KB, breakdown w/Western 9-27-94
2394 gals 2% KCl water w/50 ball sealers.
6 STBPM @ 3000 psig, ISIP @ 2000 psig.

5040'-5050' KB breakdown w/Western 9-27-94
6762 gals 2% KCl water w/50 ball sealers.
6 STBPM @ 2900 psig, ISIP @ 1800 psig.

PERFORATION RECORD

4890', 4894', 4895' One Shot Each RED5
4900', 4905', 4906' One Shot Each RED5
5041', 5042', 5043', 5044', 5048' 1 Shot GREEN1

Reperforated on 9-27-94:
4888'-4896' w/2 SPF RED5
5040'-5050' w/2 SPF GREEN1



Inland Resources Inc.

Balcron Monument Federal #22-5J

1853 FNL 1980 FWL

SENW Section 5-T9S-R17E

Duchesne Co, Utah

API #43-013-31384; Lease #U-020252-A

Attachment E-8 Allen Federal #43-5

Spud Date: 10/1/83
Plugged: 10/15/83
GL: 5165' KB: 5182'

Initial Production:

Plugged Diagram

SURFACE CASING

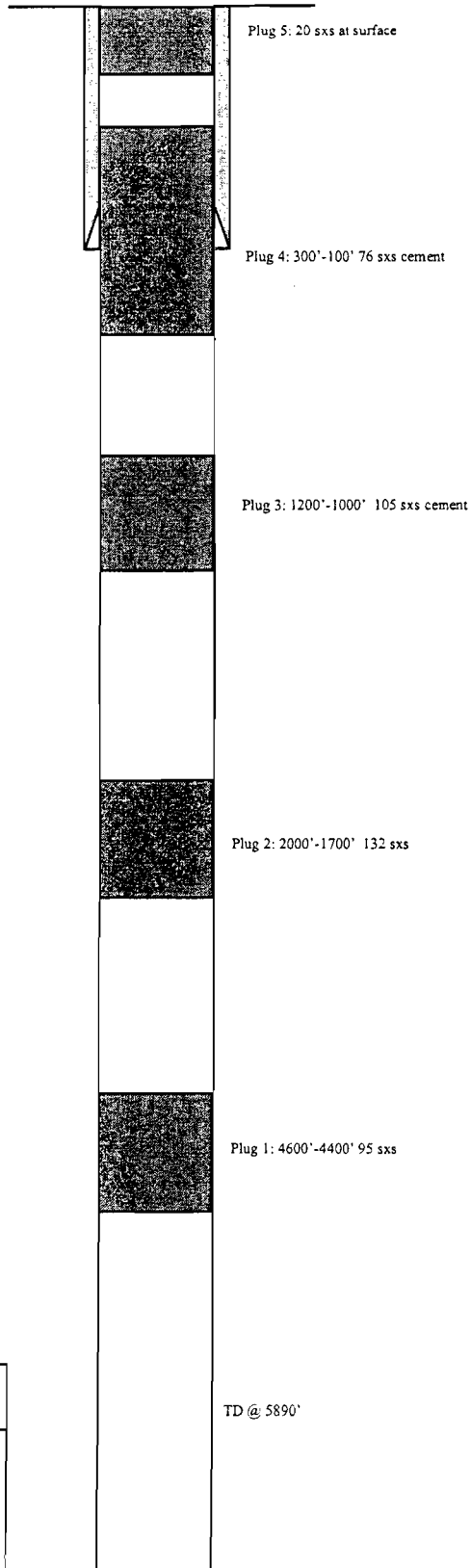
CSG SIZE: 8-5/8"
GRADE:
WEIGHT:
LENGTH:
DEPTH LANDED: 253'
HOLE SIZE:
CEMENT DATA: 190 sxs cmt.

PRODUCTION CASING

TUBING

SUCKER RODS

LOGS: DIGL/SP/GR/CAL
SDL/DSN/GR



Inland Resources Inc.

Allen Federal #43-5

2352 FSL 724 FEL

NESE Section 5-T9S-R17E

Duchesne Co, Utah

API #43-013-30720; Lease #: U-020252

UNICHEM

A Division of BJ Services

Attachment F

P.O. Box 217
Roosevelt, Utah 84066Office (435) 722-5066
Fax (435) 722-5727**WATER ANALYSIS REPORT**Company INLAND PRODUCTION Address _____ Date 1-27-00Source JOHNSON Date Sampled 1-26-00 Analysis No. _____

	Analysis	mg/l(ppm)	*Meq/l
1. PH	<u>7.4</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>600</u>	
5. Alkalinity (CaCO ₃)	CO ₃	<u>0</u>	+ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃	<u>240</u>	+ 61 <u>4</u> HCO ₃
7. Hydroxyl (OH)	OH	<u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>71</u>	+ 35.5 <u>2</u> Cl
9. Sulfates (SO ₄)	SO ₄	<u>130</u>	+ 48 <u>3</u> SO ₄
10. Calcium (Ca)	Ca	<u>72</u>	+ 20 <u>4</u> Ca
11. Magnesium (Mg)	Mg	<u>41</u>	+ 12.2 <u>3</u> Mg
12. Total Hardness (CaCO ₃)		<u>350</u>	
13. Total Iron (Fe)		<u>0.6</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

	Compound	Equly. Wt.	X	Meq/l	=	Mg/l
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 4 3 2 </div>	Ca					
	Mg					
	Na					
	HCO ₃					
	SO ₄					
	Cl					
	Ca(HCO ₃) ₂	81.04	<u>4</u>		<u>324</u>	
	CaSO ₄	68.07				
	CaCl ₂	55.50				
	Mg(HCO ₃) ₂	73.17				
	MgSO ₄	60.19	<u>3</u>		<u>181</u>	
	MgCl ₂	47.62				
	NaHCO ₃	84.00				
	Na ₂ SO ₄	71.03				
	NaCl	58.48	<u>2</u>		<u>117</u>	

Saturation ValuesCaCO₃CaSO₄ · 2H₂OMgCO₃**Distilled Water 20°C**

13 Mg/l

2,090 Mg/l

103 Mg/l

REMARKS _____

Received Time Jan. 27. 5:28PM

435 722 5727

UNICHEM

A Division of BJ Services

Attachment F-1

P.O. Box 217
Roosevelt, Utah 84068Office (435) 722-5066
Fax (435) 722-5727**WATER ANALYSIS REPORT**Company INLAND PRODUCTION

Address _____

Date 8-25-99Source MBIFDate Sampled 8-25-99

Analysis No. _____

	Analysis	mg/l(ppm)	*Mg/l
1. PH	<u>8.0</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>688</u>	
5. Alkalinity (CaCO ₃)		<u>0</u>	<u>0</u>
6. Bicarbonate (HCO ₃)		<u>430</u>	<u>7</u>
7. Hydroxyl (OH)		<u>0</u>	<u>0</u>
8. Chlorides (Cl)		<u>71</u>	<u>2</u>
9. Sulfates (SO ₄)		<u>0</u>	<u>0</u>
10. Calcium (Ca)		<u>40</u>	<u>2</u>
11. Magnesium (Mg)		<u>12</u>	<u>1</u>
12. Total Hardness (CaCO ₃)		<u>150</u>	
13. Total Iron (Fe)		<u>13</u>	
14. Manganese		<u>0</u>	
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

	Compound	Eqvly. Wt.	X	Meq/l	=	Mg/l
2	Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
1	CaSO ₄	68.07				
	CaCl ₂	55.50				
	Mg(HCO ₃) ₂	73.17	<u>1</u>			<u>73</u>
	MgSO ₄	60.19				
	MgCl ₂	47.62				
	NaHCO ₃	64.00	<u>4</u>			<u>336</u>
	Na ₂ SO ₄	71.03				
	NaCl	58.46	<u>2</u>			<u>117</u>

Saturation Values**Distilled Water 20°C**CaCO₃

13 Mg/l

CaSO₄ · 2H₂O

2,090 Mg/l

MgCO₃

103 Mg/l

REMARKS _____

Received Time Aug. 25. 3:48PM

435 722 5727

UNICHEM

A Division of BJ Services

Attachment F-2

P.O. Box 217
Roosevelt, Utah 84066Office (435) 722-5066
Fax (435) 722-5727**WATER ANALYSIS REPORT**

Company Inland Address _____ Date 2/1/00
 Source Mon fed 31-5 Date Sampled 2/1/00 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>10.1</u>		
2. H ₂ S (Qualitative)	<u>0.0</u>		
3. Specific Gravity	<u>1.010</u>		
4. Dissolved Solids		<u>11,078</u>	
5. Alkalinity (CaCO ₃)	CO ₃	<u>60</u>	÷ 30 <u>2</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃	<u>1,160</u>	÷ 61 <u>19</u> HCO ₃
7. Hydroxyl (OH)	OH	<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>5,700</u>	÷ 35.5 <u>160</u> Cl
9. Sulfates (SO ₄)	SO ₄	<u>0</u>	÷ 48 <u>0</u> SO ₄
10. Calcium (Ca)	Ca	<u>16</u>	÷ 20 <u>1</u> Ca
11. Magnesium (Mg)	Mg	<u>2</u>	÷ 12.2 <u>0</u> Mg
12. Total Hardness (CaCO ₃)		<u>50</u>	
13. Total Iron (Fe)		<u>1.8</u>	
14. Manganese		<u>0</u>	
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

1	Ca	←	HCO ₃	21
0	Mg	→	SO ₄	0
180	Na	→	Cl	160

Saturation Values**Distilled Water 20°C**

CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

Compound	Eq. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04		<u>1</u>		<u>81</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	64.00		<u>20</u>		<u>1,680</u>
Na ₂ SO ₄	71.03				
NaCl	58.46		<u>160</u>		<u>9,354</u>

REMARKS _____

Attachment F-3

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND PRODUCTION CO
 LOCATION:
 SYSTEM:

2-1-2000

WATER DESCRIPTION:	JOHNSON WATER	31-5
P-ALK AS PPM CaCO ₃	0	100
M-ALK AS PPM CaCO ₃	393	1902
SULFATE AS PPM SO ₄	130	0
CHLORIDE AS PPM Cl	71	5700
HARDNESS AS PPM CaCO ₃	0	0
CALCIUM AS PPM CaCO ₃	180	40
MAGNESIUM AS PPM CaCO ₃	169	8
SODIUM AS PPM Na	46	4140
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	600	11078
TEMP (DEG-F)	100	100
SYSTEM pH	7.4	10.1

WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND 31-5

CONDITIONS: pH=8.8. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS JOHNSON WATER

% WATER/	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.73	60	0	0	0
90	1.78	56	0	0	0
80	1.79	52	0	0	0
70	1.78	47	0	0	0
60	1.75	42	0	0	0
50	1.71	37	0	0	0
40	1.65	32	0	0	0
30	1.57	27	0	0	0
20	1.48	22	0	0	0
10	1.36	18	0	0	0
0	1.22	13	0	0	0

Attachment "G"

Balcron Monument Federal #31-5-9-17 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax	Maximum Pressures Using Minimum Fracture Gradient	
						Frac Gradient (psi/ft)	Pmax (psi)
Top	Bottom						
4204	4274	4239	2170	0.945	2143	0.862	1794
4743	4804	4774	2630	0.984	2603	0.862	2024
5056	5065	5061	2170	0.862	2157	0.862	2158
				Minimum	2143	Minimum	1794

Because the deepest zone has the minimum fracture gradient, that value (.862 psi/ft) must be used in the calculation of the maximum surface injection pressure

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Avg. Depth})) / \text{Avg. Depth}$



EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7800

TREATMENT REPORT

Attachment 6-1

DATE OF TREATMENT: 9-11-96

Well Name MONUMENT FED. 31-5-9-17 Sec. 5 TWN. 9S RNG. 17
Field MONUMENT BUTTE County DUCHE SNE State UTAH
Formation: GREEN RIVER (G-11 ZONE)
Perforations: 5056-65

Treatment Type: SAND FRAC Total Number of Holes: 36

Treatment Company: BJ SERVICES SAND CHARACTERISTICS

	VOLUME		FLUID	CONC.			SIZE	SAND VOLUME	
	SLURRY BBL	CLEAN GAL		#/GAL	BPM	PSI		CALC.	ACTUAL
4.3	4.3	43	2000	2% KCL WATER (PAD)	0	24.7	2260	+	#
64	64	16	600	11	2	24.5	2270	20/40	1200 #
86	89	25	900	11	4	24.4	2230	20/40	3600 #
106	113	32	840	11	5	24.5	2060	20/40	8000 # 3667 #
166	189	76	2500	11	6	24.5	1770	16/30	15000 #
220	258	56	1800	11	7	24.5	1630	16/30	12,600 # 14727 #
341	379	120	5040	11	0	25.0	2540	-1-	#
							1		#
							1		#
							1		#

TOTAL FLUID PUMPED: 14,154 gal. 2% KCL WATER

TOTAL SAND VOLUME: 6,000 lbs. 20/40
29,400 lbs. 16/30
lbs. 1 sanc

Flushed well with 5040 gal. of 2% KCL WATER
ball sealers were pumped. Was ball action seen?

Barrels of Load to Recover 337 BLT

Avg. Treating Pressure = 2000 psi, max = 2540 psi, min. = 1640 ps

Avg. Treating Rate = 24.6 bpm, max = 25.0 bpm, min. = 24.4 bpr

ISIP = 2170 psi, 5 min. = 1820 psi, 10 min. = 1610 psi, 15 min. = 1500 ps

Well will be shut in for 30 min. = 1430 P. hours before bringing back fluid.

REMARKS: 3 BBL. LOAD TO RECOVER.

9AC GRADIENT: 869

Wellsite Supervisor: Dr. Griffin



EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

 1601 Lewis Avenue
 P.O. Box 21017
 Billings, MT 59104-1017
 (406) 259-7860

TREATMENT REPORT

Attachment G-2

DATE OF TREATMENT: 9-16-96

Well Name MONUMENT FED, 31-5-9-17 Sec. 5 TWN. 9 S RING. 12 E
 Field MONUMENT BUTTE County DIXIE State UT
 Formation: GREEN RIVER (R-1 + R-2 ZONES)
 Perforations: 4743-48, 4801-04

Treatment Type: SAND FRAC Total Number of Holes: 32Treatment Company: BJ SERVICES

SAND CHARACTERISTICS

CLEAN TOTAL	VOLUME		FLUID	CONC.			SIZE	SAND VOLUME		
	SLURRY BBLs	CLEAN GAL		# / GAL	BPM	PSI		CALC.	ACTUAL	
40	40	2000	KCL WATER (PAD)	0	34.7	2650	+	— #	— #	
70	21	800	"	2	33.8	2670	16/30	1600 #	#	
91	27	950	"	4	34.8	2560	16/30	3800 #	#	
115	29	1000	"	5	35.0	2500	16/30	5000 #	#	
173	201	2400	"	6	34.8	2310	16/30	14400 #	#	
219	201	50	1600	7	34.8	2330	16/30	11200 #	#	
330	313	12	4704	"	(FLUSH)	0	36.1	3280	+	— #
							1	#	#	
							1	#	#	
							1	#	#	

TOTAL FLUID PUMPED: _____ gal. _____ % Acid
13,860 gal. 2% KCL WATER. Fluid

TOTAL SAND VOLUME: 37,000 lbs. 16,130 sand
 _____ lbs. 1 sand
 _____ lbs. 1 sand

Flushed well with 4704 gal. of 2% KCL WATER
 _____ ball sealers were pumped. Was ball action seen? _____

Barrels of Load to Recover: 330 BLTR.Avg. Treating Pressure = 2500 psl, max = 3280 psl, min. = 2310 psl.Avg. Treating Rate = 34.8 bpm, max = 36.1 bpm, min. = 33.8 bpmISIP = 2630 psl, 5 min. = 1980 psl, 10 min. = 1920 psl, 15 min. = 1660 psl

Well will be shut in for _____ hours before bringing back fluid.

REMARKS: 1 BBL TO LOAD HOLEFRAC GRADIENT: .991Wellsite Supervisor: Dale Driffin



EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

 1601 Lewis Avenue
 P.O. Box 21017
 Billings, MT 59104-1017
 (406) 259-7860

TREATMENT REPORT

Attachment G-3

DATE OF TREATMENT: 9-16-96

Well Name MONUMENT FED. 31-5-9-17 Sec. 5 TWN. 9 S RNG. 17 E
 Field MONUMENT BUTTE County DUCHESNE State WY.
 Formation: GREEN RIVER (Y-2 & Y-3 ZONES)
 Perforations: (4204-16) (4218-20) (4267-74)

Treatment Type: SAND FRAC Total Number of Holes: 46
 Treatment Company: BJ SERVICES SAND CHARACTERISTICS

CLEAN
TOTAL

VOLUME		FLUID		CONC.		SIZE	SAND VOLUME		
SLLRRY BBL'S	CLEAN GAL			# / GAL	BPM	PSI		CALC.	ACTUAL
287 107	107	4500	2% KCL WATER (PDD)	0	35.4	2600	+	— #	— #
141	34	1300	//	2	35.3	2610	16/30	2600 #	#
191	56	2000	//	4	34.5	2370	16/30	2000 #	#
301	102	3500	//	5	34.4	2160	16/30	17500 #	#
492	191	6300	//	6	34.4	2050	16/30	37800 #	#
711	129	4100	//	7	34.4	$\frac{2010}{2030}$	16/30	28700 #	#
	99	4158	// (FLUSH)	0	35.4	2530	+	— #	— #
							1	#	#
							1	#	#
							1	#	#

TOTAL FLUID PUMPED: gal. % Acid

25,830

gal. 2% KCL WATER

Fluid

TOTAL SAND VOLUME: lbs. 16130 sanc

93,800

lbs.

16130

sanc

lbs.

1

sanc

lbs.

1

sanc

Flushed well with 4158 gal. of 2% KCL WATER

ball sealers were pumped. Was ball action seen?

Barrels of Load to Recover 615 BLTR

Avg. Treating Pressure = 2100 psi, max = 2600 psi, min. = 2010 psi

Avg. Treating Rate = 34.8 bpm, max = 35.4 bpm, min. = 34.4 bpm

ISIP = 2170 psi, 5 min. = 2050 psi, 10 min. = 1940 psi, 15 min. = 1720 ps

Well will be shut in for 0 hours before bringing back fluid. 30 min. = 1480 ps

REMARKS: 2 BBL. TO LOAD HOLE

START FORCED CLOSURE FLOW BACK, 1.25 BPM.

FRAC GRADIENT: .952 Wellsite Supervisor: Dale

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. **Plug #1** Set 159' plug from 4956'-5115' with 28 sxs Class "G" cement.
2. **Plug #2** Set 251' plug from 4643'-4894' with 39 sxs Class "G" cement.
3. **Plug # 3** Set 220' plug from 4104'-4324' with 36 sxs Class "G" cement.
4. **Plug #4** Set 200' plug from 2000'-2200' with 25 sxs Class "G" cement.
5. **Plug #5** Set 100' plug from 224'-324' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
6. **Plug #6** Set 50' plug from surface with 10 sxs Class "G" cement.
7. **Plug #7** Pump 50 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement to surface.

Attachment H-1

Balcron Monument Federal #31-5-9-17

Spud Date: 8-28-96
Put on Production: 10-1-96
GL: 5218' KB: 5228'

Initial Production: 83 BOPD,
23 MCFPD, 2 BWPD

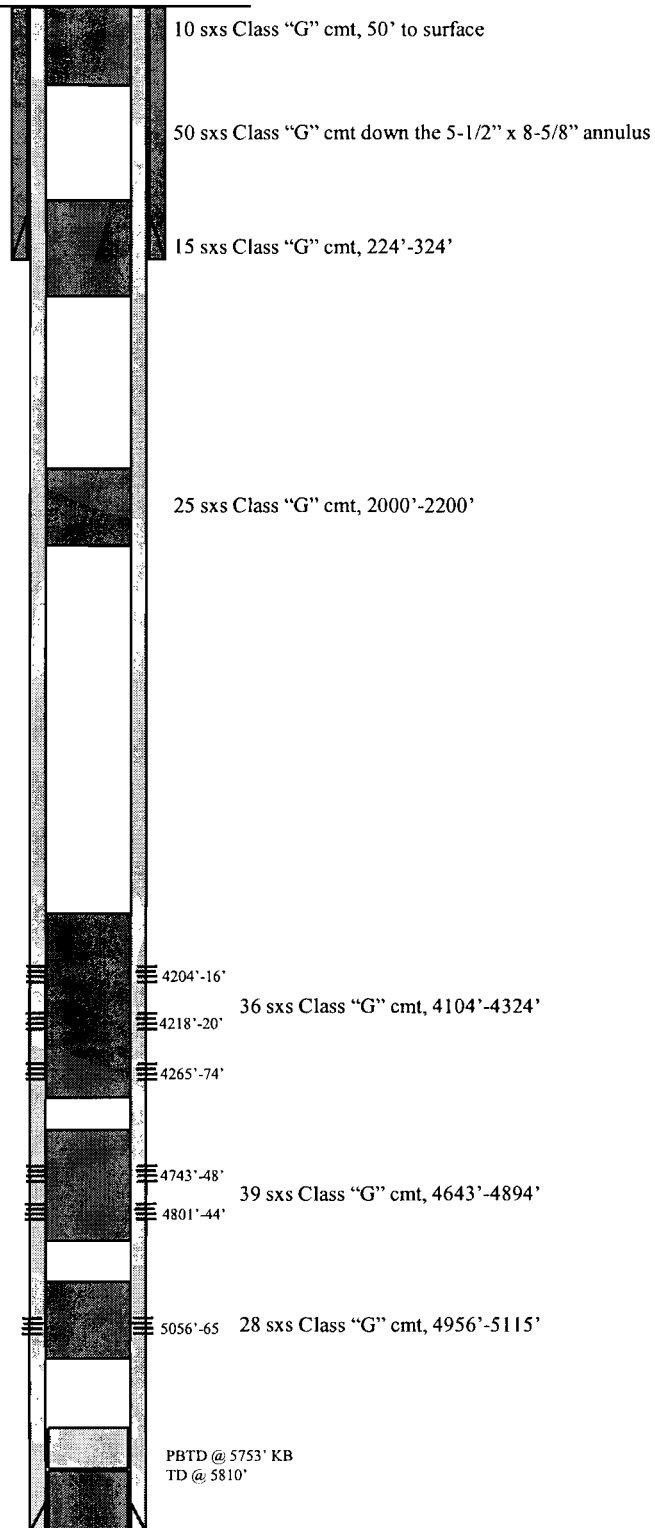
SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 5 jts. (263.85')
DEPTH LANDED: 273.85' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx Class "G", est ? Bbls cmt to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 142 jts.
DEPTH LANDED: 5810' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 250 sx Class G & 475 sx 50/50 Poz
CEMENT TOP AT:

Proposed P & A Wellbore Diagram



Inland Resources Inc.

Balcron Monument Federal #31-5-9-17

792 FNL 1939 FEL

NWNE Section 5-T9S-R17E

Duchesne Co, Utah

API #43-013-31860; Lease #U-74808

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF INLAND PRODUCTION COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF THE	:	CAUSE NO. UIC-250
TAR SANDS FEDERAL 5-33, CASTLE DRAW	:	
6-4 & 12-4, BALCRON MONUMENT FEDERAL	:	
31-5 & THE FEDERAL 31-9H & 44-4Y WELLS,	:	
LOCATED IN SECTIONS 33, 4, 5 & 9,	:	
TOWNSHIP 8 SOUTH & 9 SOUTH, RANGE 17	:	
EAST, S.L.M., DUCHESNE COUNTY, UTAH,	:	
AS CLASS II INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

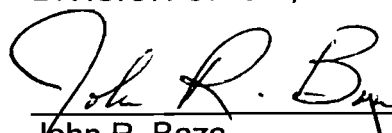
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 5-33, Castle Draw 6-4 & 12-4, Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells. Located in Sections 33, 4, 5 & 9, Township 8 South & 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 22nd day of February 2000.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



John R. Baza
Associate Director, Oil and Gas

**Inland Production Company
Tar Sands Federal 5-33, Castle Draw 6-4& 12-4,
Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells
Cause No. UIC-250**

Publication Notices were sent to the following:

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

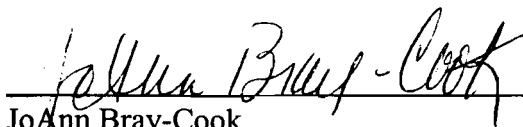
Newspaper Agency Corporation
Legal Advertising
P.O. Box 45838
Salt Lake City, Utah 84145

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Vernal District Office
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

U.S. Environmental Protection Agency
Region VIII
Attn: Dan Jackson
999 18th Street
Denver, Colorado 80202-2466

School & Institutional Trust Lands Administration
Attn: Ed Bonner
675 East 500 South
Salt Lake City, Utah 84102



JoAnn Bray-Cook
Secretary
February 22, 2000



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

February 22, 2000

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-250

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84114-5801.

Sincerely,


JoAnn Bray-Cook
Secretary

Enclosure



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

February 22, 2000

Newspaper Agency Corporation
Legal Advertising
PO Box 45838
Salt Lake City, Utah 84145

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Sincerely,


JoAnn Bray-Cook
Secretary

Enclosure

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation
The Salt Lake Tribune NA DESERET NEWS

CUSTOMER'S
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	03/03/00

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL4600KI6G1
SCHEDULE	
START 03/03/00 END 03/03/00	
CUST. REF. NO.	
UIC-247	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
116 LINES 2.00 COLUMN	
TIMES	RATE
1	1.16
MISC. CHARGES	AD CHARGES
.00	134.56
TOTAL COST	
134.56	

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

IN THE MATTER OF THE
APPLICATION OF INLAND
PRODUCTION COMPANY FOR
ADMINISTRATIVE APPROVAL OF
THE TAR SANDS FEDERAL 5-33,
CASTLE DRAW 6-4 & 12-4,
BALCORN MONUMENT FEDERAL
31-5 & THE FEDERAL 31-9H &
44-4Y WELLS, LOCATED IN SECTIONS
33, 4, 5 & 9, TOWNSHIP 8 SOUTH &
9 SOUTH, RANGE 17 EAST, S.L.M.,
DUCHESE COUNTY, UTAH, AS
CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED
MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 5-33, Castle Draw 6-4 & 12-4, Balcorn Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells, located in Sections 33, 4, 5 & 9, Township 8 South & 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well-by-well basis, based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22nd day of February 2000

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

/s/ John R. Baza
Associate Director, Oil & Gas

4600KI6G

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERT
ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA
DIV OF OIL-GAS & MINING WAS PUBLISHED BY
CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET
PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION
IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH

PUBLISHED ON START 03/03/00 END 03/03/00

SIGNATURE James Hough

DATE 03/03/00

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

2827 REC 6131

NUAND0166 GEDD

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH


I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 7 day of March, 2000, and that the last publication of such notice was in the issue of such newspaper dated the 7 day of March, 2000.



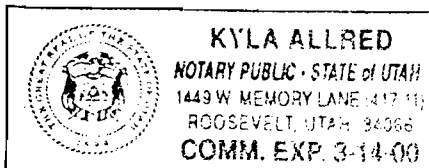
Publisher

Subscribed and sworn to before me this

14 day of March, 2000



Notary Public



NOTICE OF AGENCY ACTION

CAUSE NO. UIC-250
IN THE MATTER OF
THE APPLICATION OF
INLAND PRODUCTION
COMPANY FOR AD-
MINISTRATIVE AP-
PROVAL OF THE TAR
SANDS FEDERAL 5-33,
CASTLEDRAW 6-4 & 12-
4, BALCRON MONU-
MENT FEDERAL 31-5 &
THE FEDERAL 31-9H &
44-4Y WELLS, LOCATED
IN SECTIONS 33, 4, 5 & 9,
TOWNSHIP 8 SOUTH &
9 SOUTH, RANGE 17
EAST, S.L.M.,
DUCHESNE COUNTY,
UTAH, AS CLASS II IN-
JECTION WELLS

THE STATE OF UTAH
TO ALL PERSONS IN-
TERESTED IN THE
ABOVE ENTITLED
MATTER.

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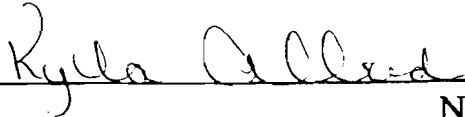
newspaper for 1 consecutive issues, and that the first publication was on the 7 day of March, 2000, and that the last publication of such notice was in the issue of such newspaper dated the 7 day of March, 2000.



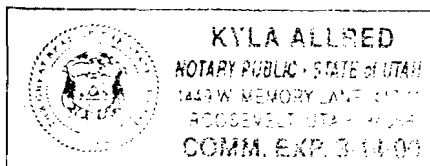
Publisher

Subscribed and sworn to before me this

14 day of March, 2000



Notary Public



44-4Y WELLS, LOCATED IN SECTIONS 33, 4, 5 & 9, TOWNSHIP 8 SOUTH & 9 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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DATED this 22nd day of February 2000.

STATE OF UTAH
DIVISION OF OIL, GAS
AND MINING

John R. Baza, Associate
Director, Oil and Gas

Published in the Uintah
Basin Standard March 7,
2000.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: INLAND PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	11679	12704	43-013-31452	Federal #44-4Y	SESE	4	9S	17E	Duchesne		3/1/2000

WELL 2 COMMENTS: Moved well to BlackJack Unit *000514 Entity Added.*

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
	11987	12704	43-013-31680	Monument Federal #31-5	NWNE	5	9S	17E	Duchesne		3/1/2000

WELL 1 COMMENTS: Moved well to BlackJack Unit *000514 Entity Added.*

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	12102	12704	43-013-31107	Pleasant Valley Fed #31R-9H	NWNE	9	9S	17E	Duchesne		3/1/2000

WELL 3 COMMENTS: Moved well to BlackJack Unit *000514 Entity Added.*

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	12109	12704	43-013-31861	Tar Sands Federal #11-33	NESW	33	8S	17E	Duchesne		3/1/2000

WELL 4 COMMENTS: Moved well to BlackJack Unit *000514 Entity Added.*

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
	12458	12704	43-013-31884	Tar Sands Federal #10-33	NWSE	33	8S	17E	Duchesne		3/1/2000

WELL 5 COMMENTS: Moved well to BlackJack Unit *000514 Entity Added.*

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

MAY 11 2000

DIVISION OF
OIL, GAS AND MINING

Kelcie S. Jones
Signature
Production Clerk
Title
May 9, 2000
Date

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company **Well:** Balcron Monument Federal 31-5-9-17

Location: 5/9S/17E

API: 43-013-31680

Ownership Issues: The proposed well is located on BLM land. The well is located in the Blackjack Unit. Lands in the one-half mile radius of the well are administered by the BLM the State of Utah. A portion of the land in the area of review is owned by (mineral rights included) the American Gilsonite Company and some is owned by Ziegler Chemical & Mineral Company. Inland and various other individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Blackjack Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 274 feet and is cemented to surface. A 5 ½ inch production casing is set at 5810 feet and has a cement top at 870 feet. A 2 7/8 inch tubing with a packer will be set at 4170 feet. A mechanical integrity test will be run on the well prior to injection. There are 6 producing or injection wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 200 feet. Injection shall be limited to the interval between 4204 feet and 5065 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 31-5-9-17 well is .862 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1794 psig. The requested maximum pressure is 1794 psig. The anticipated average injection pressure is 1500 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Blackjack Unit on November 01, 1999. Correlative rights issues were addressed at that time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune, the Vernal Express, and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill

Date: 06/06/00



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

June 6, 2000

Inland Production Company
410 Seventeenth Street, Suite 700
Denver, Colorado 80202

Re: Blackjack Unit Well: Balcron Monument Federal 31-5-9-17, Section 5, Township 9
South, Range 17 East, Duchesne County, Utah

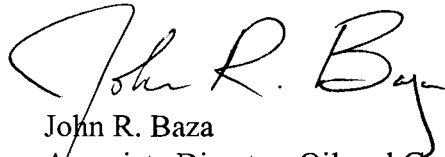
Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,



John R. Baza
Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton
SITLA, Salt Lake City



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

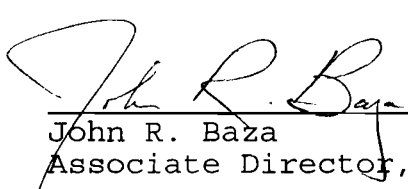
Cause No. UIC-250

Operator: Inland Production Company
Well: Monument Federal 31-5-9-17
Location: Section 5, Township 9 South, Range 17 East
County: Duchesne
API No.: 43-013-31680
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 6, 2000.
2. Maximum Allowable Injection Pressure: 1794 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4204 feet - 5065 feet)

Approved by:


John R. Baza
Associate Director, Oil And Gas

3/20/2001
Date

cc: Dan Jackson Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Injection Well

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

RT 3 Box 3630 Myton Ut 84052, (435) 646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

0792 FNL 1939 FEL NW/NE Section 5, T09S R17E

5. Lease Designation and Serial No.

U-74808

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

BLACK JACK UNIT

8. Well Name and No.

MONUMENT FEDERAL 31-5-9-17

9. API Well No.

43-013-31680

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☒ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was converted from a producing to an injection well on 03-07-01. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4130'. On 3/08/01 Mr. Dan Jackson w/ EPA was contacted of the intent to conduct a MIT on the casing -tubing annulus. Mr. Dennis Ingram with the State DOGM was also contacted and said to start with out him if he did not show. On 3/09/01 the casing was pressured to 1080 psi with no loss of pressure charted in a 1/2 hour test. No governmental agencies were able to witness the test. The well is shut-in and waiting on permission to inject.

RECEIVED

MAR 1 2001

**DIVISION OF
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct

Signed

Krishna Russell
Krishna Russell

Title

Production Clerk

Date

3/12/01

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

792 FNL 1939 FEL NW/NE Section 5, T09S R17E

5. Lease Designation and Serial No.

UTU-74808

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

BLACK JACK

8. Well Name and No.

MON. FEDERAL 31-5-9-17

9. API Well No.

43-013-31680

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Report of first injection**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above referenced well was put on injection at 1:30 p.m. on 4/10/01.

RECEIVED

APR 11 2001

DIVISION OF
OIL GAS AND MINING

14. I hereby certify that the foregoing is true and correct

Signed

Mandie Crozier

Title

Permit Clerk

Date

4/10/01

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1 SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.

OIL WELL ☐ GAS WELL ☐ OTHER ☒ Injection Well2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY3. ADDRESS AND TELEPHONE NUMBER
Rt. 3 Box 3630, Myton Utah 84052
435-646-37214. LOCATION OF WELL
Footages 792 FNL 1939 FEL
QQ, SEC, T, R, M: NW/NE Section 5, T09S R17E5. LEASE DESIGNATION AND SERIAL NO.
UTU-748086. IF INDIAN, ALLOTTEE OR TRIBAL NAME
N/A7. UNIT AGREEMENT NAME
Blackjack8. WELL NAME and NUMBER
MONUMENT FEDERAL 31-5-9-179. API NUMBER
43-013-3168010. FIELD AND POOL, OR WILDCAT
MONUMENT BUTTECOUNT DUCHESNE
STATE UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

NOTICE OF INTENT:

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> ABANDON | <input type="checkbox"/> NEW CONSTRUCTION |
| <input type="checkbox"/> REPAIR CASING | <input type="checkbox"/> PULL OR ALTER CASING |
| <input type="checkbox"/> CHANGE OF PLANS | <input type="checkbox"/> RECOMPLETE |
| <input type="checkbox"/> CONVERT TO INJECTION | <input type="checkbox"/> REPERFORATE |
| <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE | <input type="checkbox"/> VENT OR FLARE |
| <input type="checkbox"/> MULTIPLE COMPLETION | <input type="checkbox"/> WATER SHUT OFF |
| <input type="checkbox"/> OTHER _____ | |

SUBSEQUENT REPORT OF:

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> ABANDON* | <input type="checkbox"/> NEW CONSTRUCTION |
| <input type="checkbox"/> REPAIR CASING | <input type="checkbox"/> PULL OR ALTER CASING |
| <input type="checkbox"/> CHANGE OF PLANS | <input type="checkbox"/> RECOMPLETE |
| <input type="checkbox"/> CONVERT TO INJECTION | <input type="checkbox"/> REPERFORATE |
| <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE | <input type="checkbox"/> VENT OR FLARE |
| <input checked="" type="checkbox"/> OTHER | Step Rate Test |

DATE WORK COMPLETED _____

Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

A step rate test was conducted on the subject well on August 14, 2001. Results from the test indicate that the fracture gradient is .675 psi/ft. Therefore, Inland is requesting that the MAIP be changed to 1010 psi.

13.

NAME & SIGNATURE Michael Guinn TITLE District EngineerDATE 8/17/01

(This space for State use only)

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 08-26-01By: [Signature]

RECEIVED

AUG 20 2001

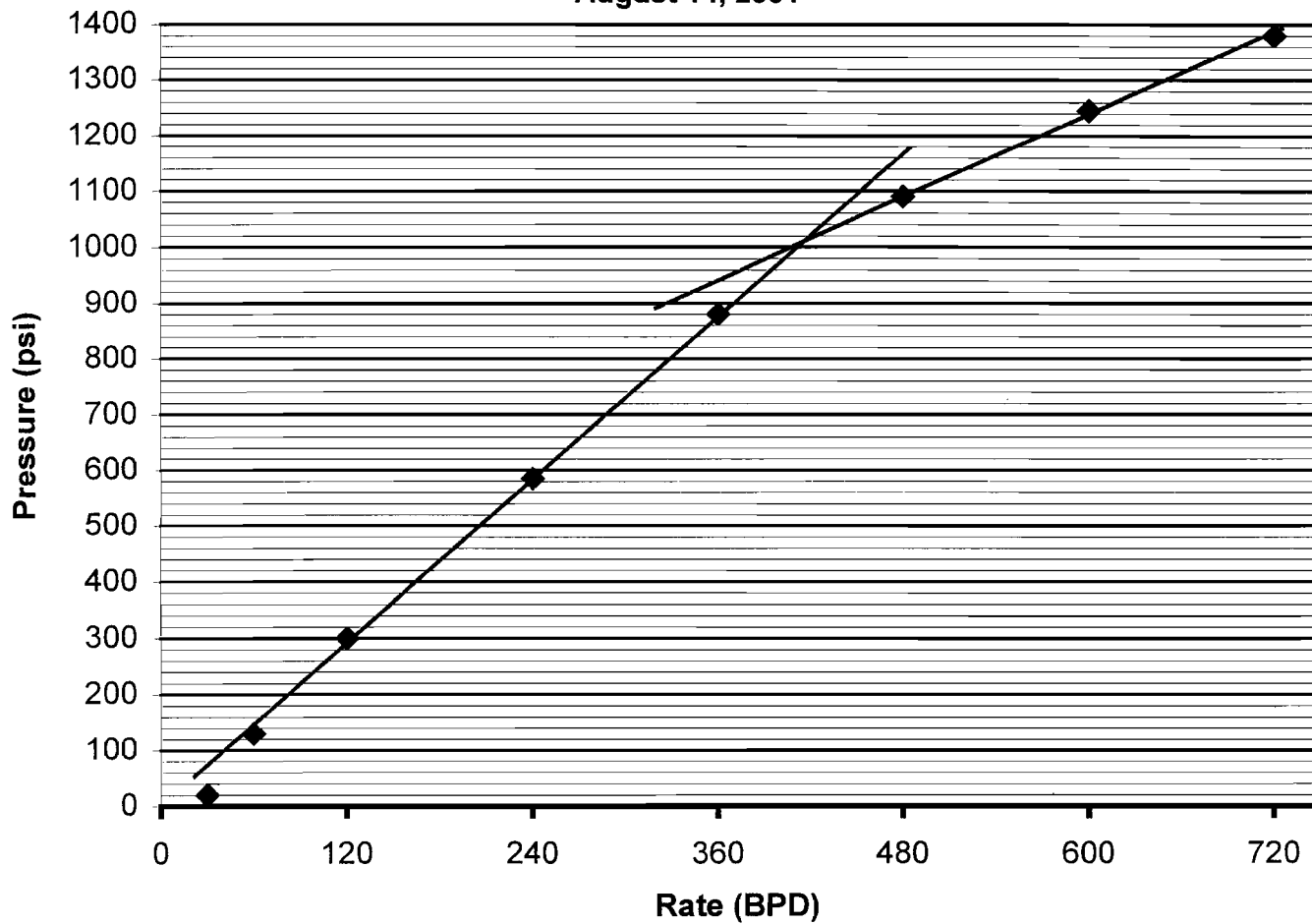
DIVISION OF
OIL, GAS AND MINING

Monument Federal 31-5-9-17

Blackjack Unit

Step Rate Test

August 14, 2001



Start Pressure:

0 psi

Instantaneous Shut In Pressure (ISIP):

1360 psi

Top Perforation:

4204 feet

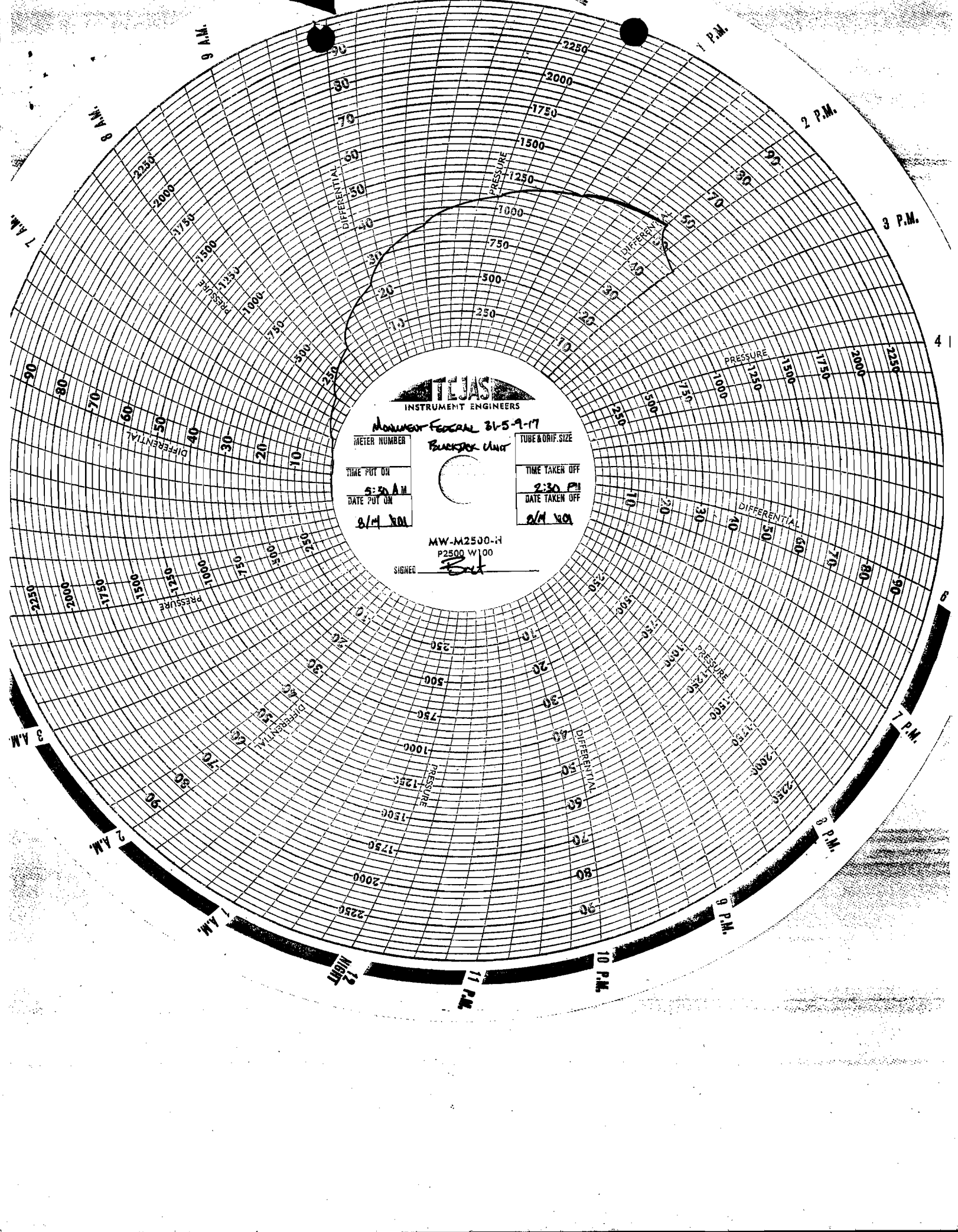
Fracture pressure (Pfp):

1010 psi

FG:

0.675 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	30	20
2	60	130
3	120	300
4	240	585
5	360	880
6	480	1090
7	600	1245
8	720	1380



Monroe Federal 31-5-9-17

METER NUMBER

BUCKLEY UNIT

TUBE & ORIF. SIZE

TIME PUT ON

5:30 A.M.

DATE PUT ON

8/14/80

TIME TAKEN OFF

2:30 P.M.

DATE TAKEN OFF

8/14/80

MW-M2500-H
P2500 W100

SIGNED

[Signature]



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company:	Inland Production Company	Name:	Brian Harris
Address:	1401 17th Street Suite 1000	Signature:	<i>Brian Harris</i>
	city Denver state Co zip 80202	Title:	Engineering Tech.
Phone:	(303) 893-0102	Date:	9/15/2004
Comments:			

NEW OPERATOR

Company:	Newfield Production Company	Name:	Brian Harris
Address:	1401 17th Street Suite 1000	Signature:	<i>Brian Harris</i>
	city Denver state Co zip 80202	Title:	Engineering Tech.
Phone:		Date:	9/15/2004
Comments:			

(This space for State use only)

Transfer approved by:

Title:

Approval Date:

Comments:

Note: Indian Country wells will require EPA approval.

RECEIVED
SEP 20 2004

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU74808	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: BLACKJACK UNIT	
8. WELL NAME and NUMBER: MONUMENT FED 31-5-9-17	
9. API NUMBER: 4301331680	
10. FIELD AND POOL, OR WILDCAT: Monument Butte	
1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well	
2. NAME OF OPERATOR: Newfield Production Company	
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84356 PHONE NUMBER 435.646.3721	
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0792 FNL 1939 FEL OTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/NE, 5, T9S, R17E	
COUNTY: Duchesne STATE: Utah	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Step Rate Test
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 02/02/2005			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

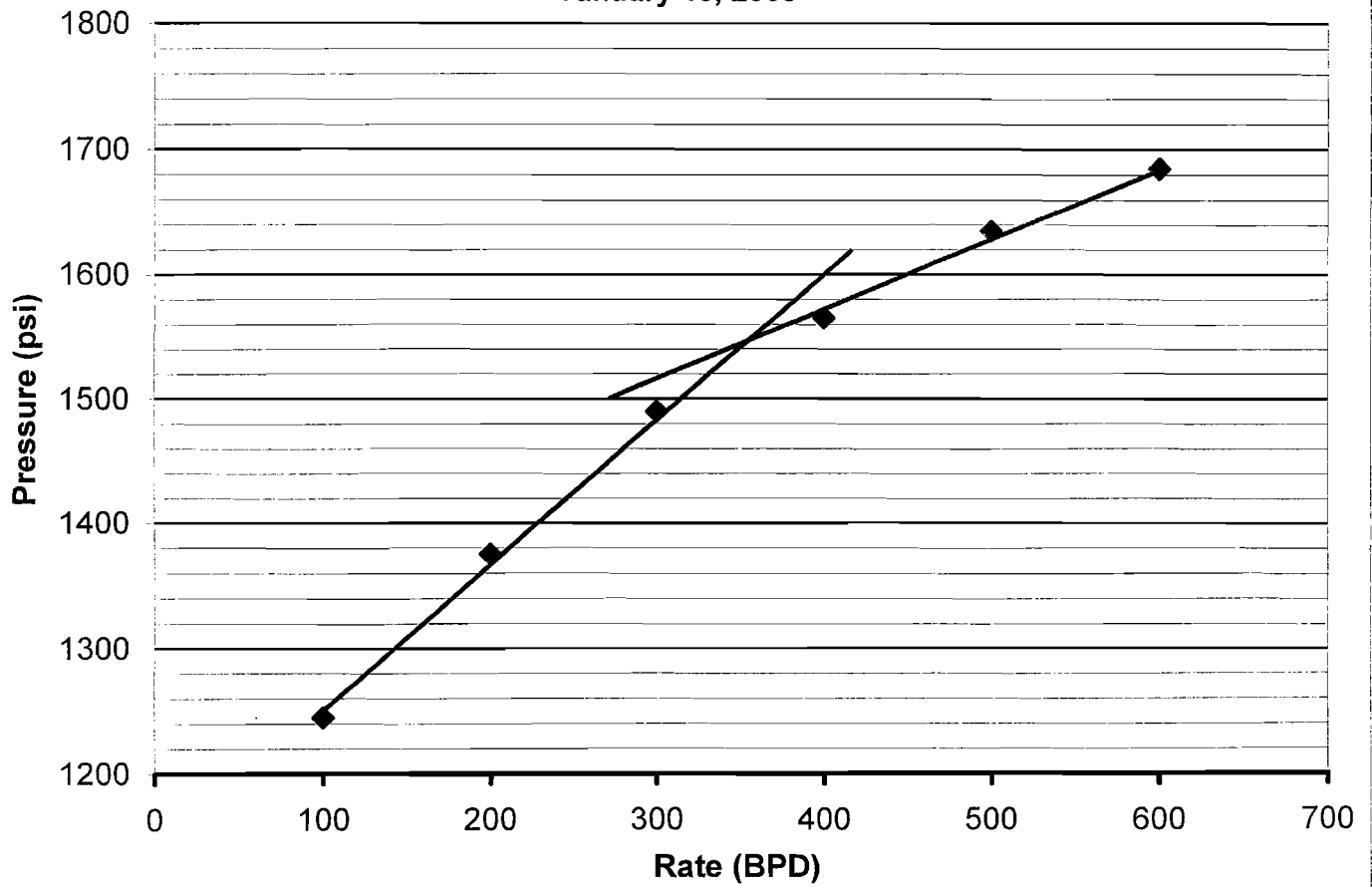
A step rate test was conducted on the subject well on January 13, 2005. Results from the test indicate that the fracture gradient is .803 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1545 psi.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Mike Guinn	TITLE Engineer
SIGNATURE 	DATE February 02, 2005

(This space for State use only)

**Balcron Monument Federal 31-5-9-17
Blackjack Unit
Step Rate Test
January 13, 2005**



Start Pressure: 1130 psi
Instantaneous Shut In Pressure (ISIP): 1670 psi
Top Perforation: 4204 feet
Fracture pressure (Pfp): 1545 psi
FG: 0.803 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	1245
2	200	1375
3	300	1490
4	400	1565
5	500	1635
6	600	1685

Step Rate Test (SRT) Analysis

Date: 01/31/2005

Operator:

Newfield Production Company

Well:

Balcron Mon. Fed 31-5-9-17

Permit #:

UT20875-04531

Enter the following data :

Specific Gravity (sg) of injectate = 1.005 g/cc

Depth to top perforation (D) = 4204 feet

Top of permitted injection zone depth (blank=use top perforation to calculate fg) = _____ feet

Estimated Formation Parting Pressure (Pfp) from SRT chart = 1545 psi

Instantaneous Shut In Pressure (ISIP) from SRT = 1670 psi

Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder = _____ psi

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = 0.803 psi/ft.

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) =

D = depth used = 4204

Pbhp used = 3374

Calculated Bottom Hole Parting Pressure (Pbhp) = 3374 psi

to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)

(Uses lesser of ISIP or Pfp) Value used = 1545

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

Maximum Allowable Injection Pressure (MAIP) = 1545 psig

D = depth used = 4204

MAIP = $\frac{P_{bhp}}{D} - (0.433 * SG) * D = 1546.378$

(rounded to nearest 5 psig)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****BLACKJACK (GR)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
TAR SANDS FED 4-33	33	080S	170E	4301331664	12704	Federal	OW	P	
TAR SANDS FED 5-33	33	080S	170E	4301331665	12704	Federal	WI	A	
TAR SANDS FED 12-33	33	080S	170E	4301331757	12704	Federal	OW	P	
TAR SANDS FED 6-33	33	080S	170E	4301331814	12704	Federal	OW	P	
TAR SANDS FED 7-33	33	080S	170E	4301331860	12704	Federal	WI	A	
TAR SANDS FED 11-33	33	080S	170E	4301331861	12704	Federal	WI	A	
TAR SANDS FED 10-33	33	080S	170E	4301331884	12704	Federal	OW	P	
TAR SANDS FED 15-33	33	080S	170E	4301331890	12704	Federal	OW	P	
FEDERAL 24-3Y	03	090S	170E	4301331397	12704	Federal	WI	A	
MON FED 14-3-9-17Y	03	090S	170E	4301331535	12704	Federal	OW	P	
PAIUTE FED 32-4R-9-17	04	090S	170E	4301330674	12704	Federal	NA	DRL	K
FEDERAL 44-4Y	04	090S	170E	4301331452	12704	Federal	WI	A	
ALLEN FED 43-5R-9-17	05	090S	170E	4301330720	12704	Federal	NA	DRL	K
MON FED 31-5-9-17	05	090S	170E	4301331680	12704	Federal	WI	A	
FEDERAL 31R-9H	09	090S	170E	4301331107	12704	Federal	WI	A	
CASTLE DRAW 10-10-9-17	10	090S	170E	4301330684	12704	Federal	OW	P	
CASTLE DRAW 14-10	10	090S	170E	4301330994	12704	Federal	OW	P	
FEDERAL 22-10Y	10	090S	170E	4301331395	12704	Federal	WI	A	
BALCRON MON FED 12-10-9-17Y	10	090S	170E	4301331536	12704	Federal	OW	P	
BALCRON MON FED 21-10-9-17Y	10	090S	170E	4301331537	12704	Federal	OW	P	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU74808

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
BLACKJACK UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER ☐ Injection well

8. WELL NAME and NUMBER:
MONUMENT FED 31-5-9-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331680

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
Monument Butte

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 0792 FNL 1939 FEL

COUNTY: Duchesne

QTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/NE, 5, T9S, R17E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION SubDate

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of Work Completion:

03/07/2006

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/STOP)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLAIR

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: - 5 Year MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 3/7/06 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 3/7/06. On 3/7/06 the csg was pressured up to 1075 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1520 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20875-04531 API# 43-013-31680.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Callie Duncan

TITLE Production Clerk

SIGNATURE

Callie Duncan

DATE 03/07/2006

(This space for State use only)

RECEIVED

MAR 09 2006

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 03 / 07 / 06
Test conducted by: J.D. Horrocks
Others present: _____

Well Name: <u>Monument Federal 31-5-9-12</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Blacklick Unit</u>		
Location: <u>NW 1/4</u> Sec: <u>5</u> T <u>9</u> N <u>10</u> R <u>17E</u> W	County: <u>Duchesne</u> State: <u>UT</u>	
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1545</u> PSIG	

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 5 bpd

Pre-test casing/tubing annulus pressure: 0 psig

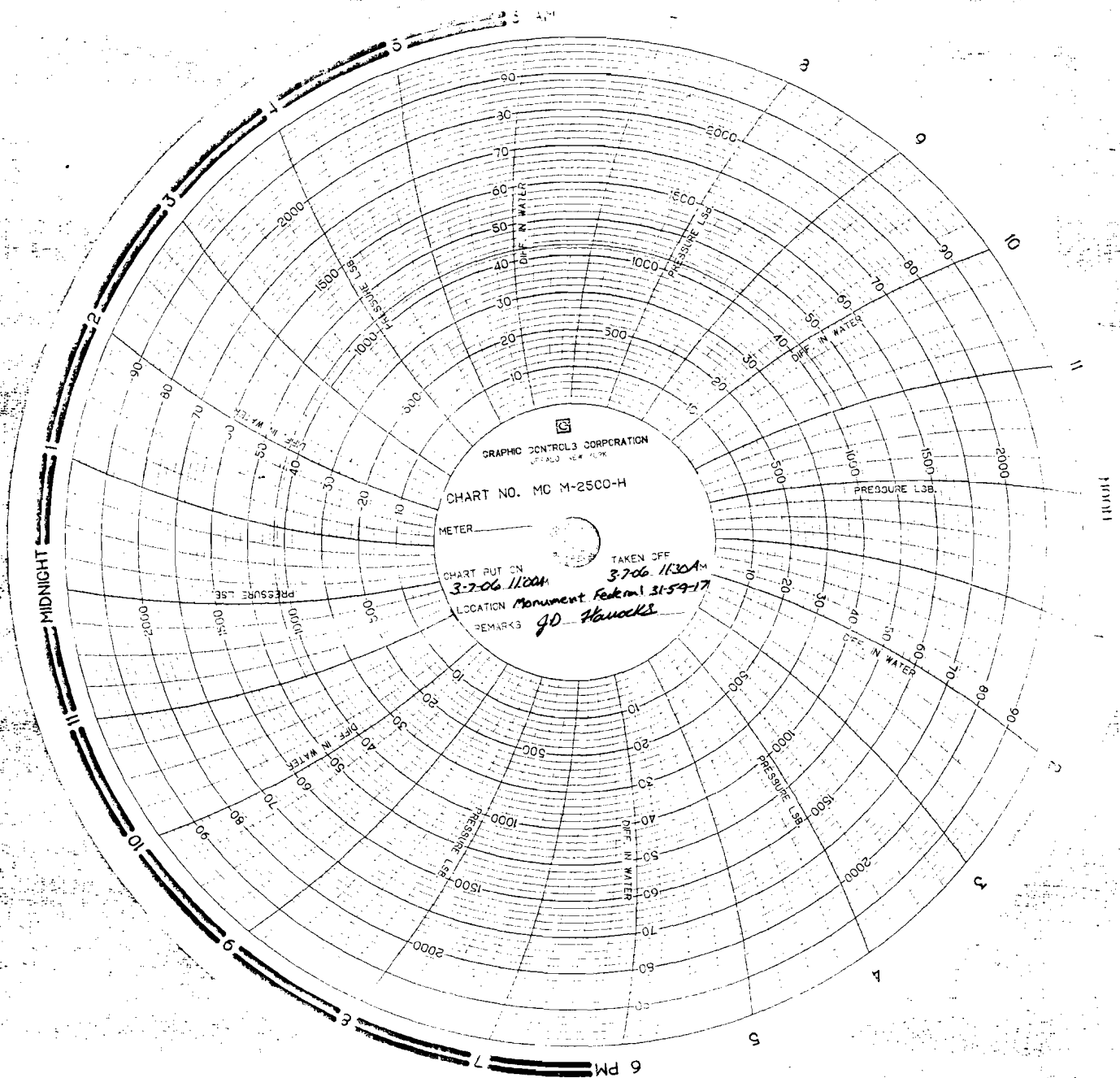
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1520</u> psig	psig	psig
End of test pressure	<u>1520</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1075</u> psig	psig	psig
5 minutes	<u>1075</u> psig	psig	psig
10 minutes	<u>1075</u> psig	psig	psig
15 minutes	<u>1075</u> psig	psig	psig
20 minutes	<u>1075</u> psig	psig	psig
25 minutes	<u>1075</u> psig	psig	psig
30 minutes	<u>1075</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

5. Lease Serial No.
USA UTU-74808
6. If Indian, Allottee or Tribe Name.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
792 FNL 1939 FEL
NWNE Section 5 T9S R17E

7. If Unit or CA/Agreement, Name and/or
BLACKJACK UNIT

8. Well Name and No.
MONUMENT FED 31-5-9-17

9. API Well No.
4301331680

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Step Rate Test _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A step rate test was conducted on the subject well on September 24, 2007. Results from the test indicate that the fracture gradient is .845 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1700 psi.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and
correct (Printed/ Typed)

Chevenne Bateman

Signature

Title

Well Analyst Foreman

Date

10/17/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
certify that the applicant holds legal or equitable title to those rights in the subject lease
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

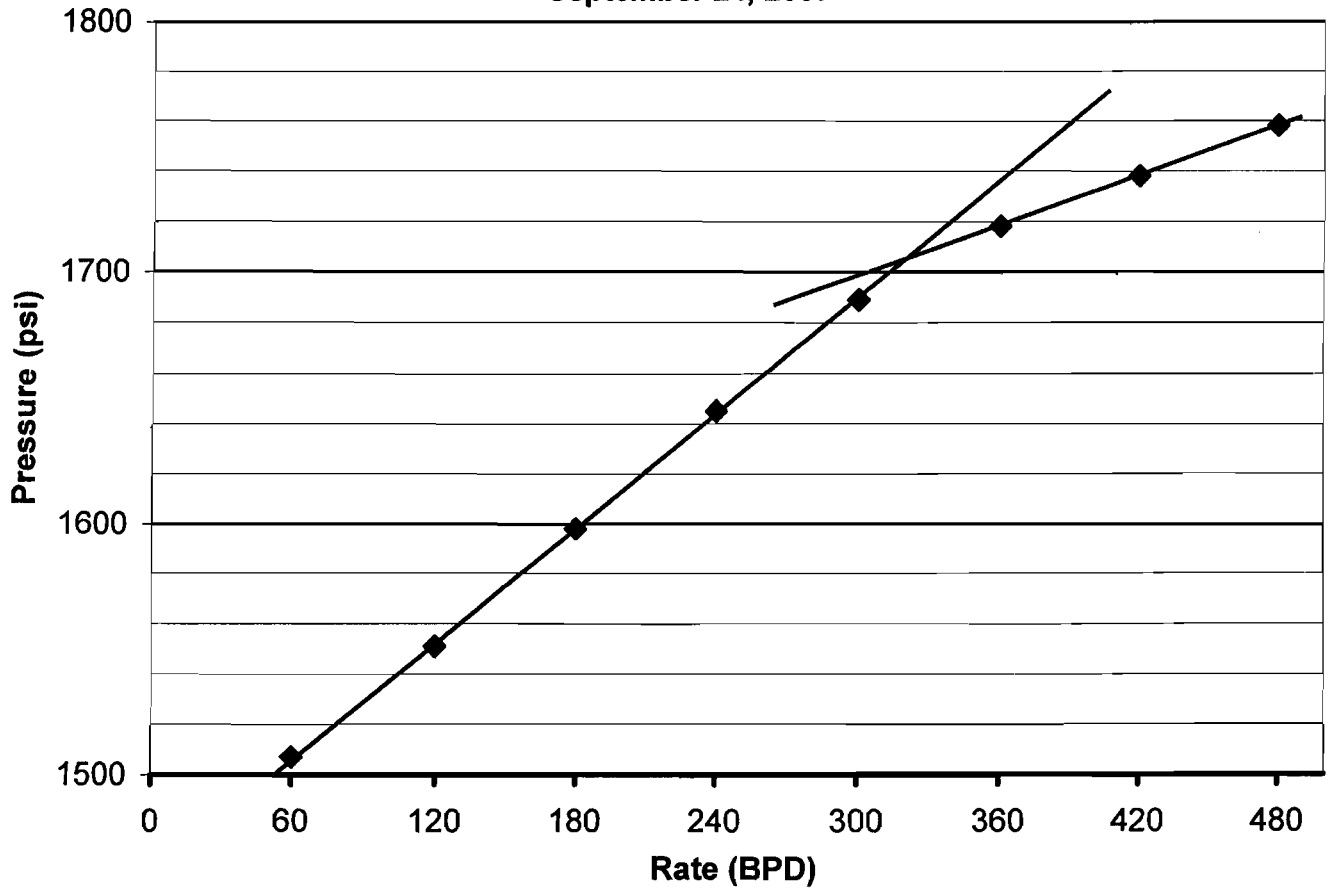
(Instructions on reverse)

RECEIVED

OCT 19 2007

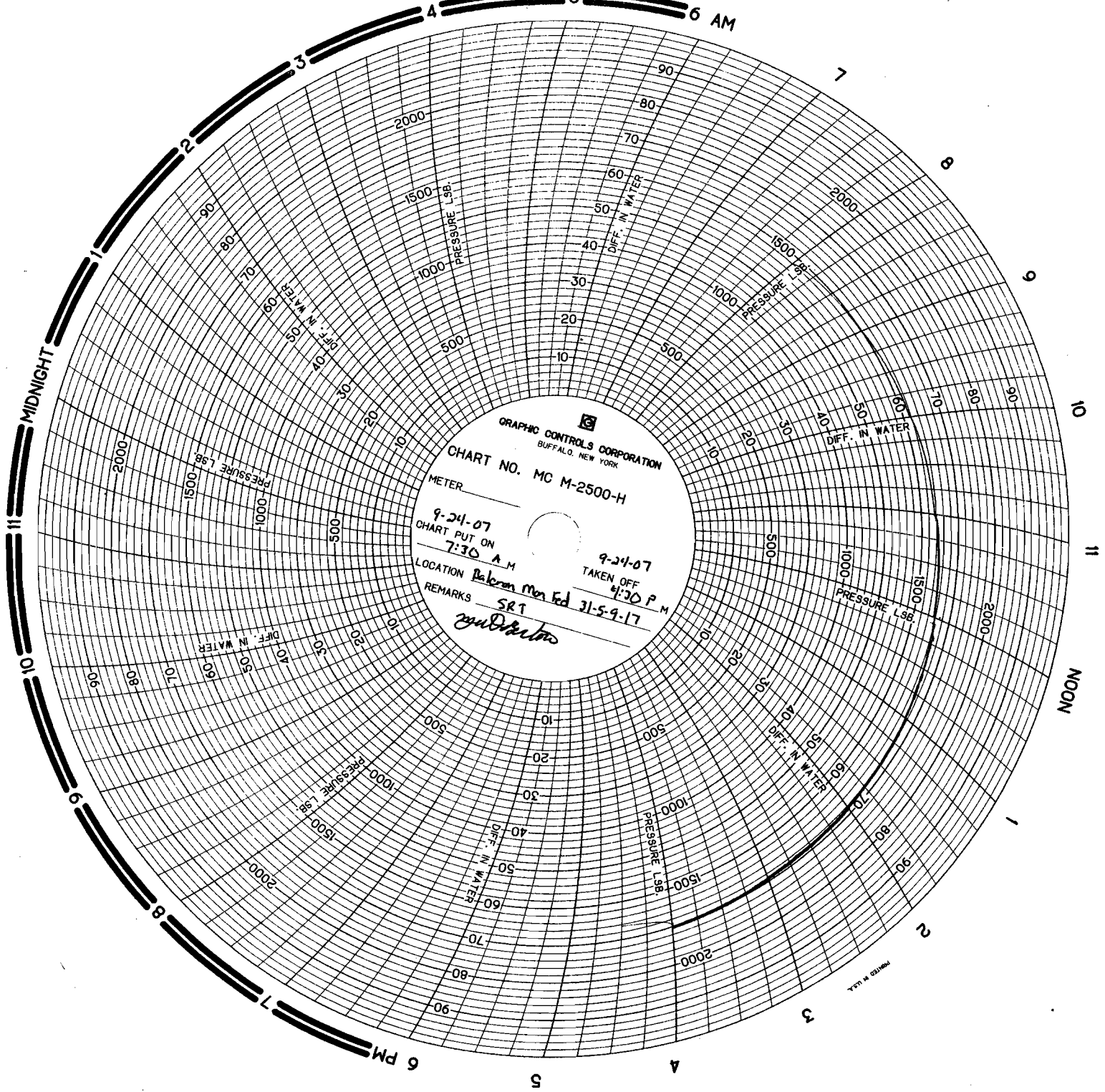
DIV. OF OIL, GAS & MINING

Balcron Monument Fed 31-5-9-17
Black Jack Unit
Step Rate Test
September 24, 2007



Start Pressure: 1460 psi
Instantaneous Shut In Pressure (ISIP): 1740 psi
Top Perforation: 4204 feet
Fracture pressure (Pfp): 1705 psi
FG: 0.845 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	60	1507
2	120	1551
3	180	1598
4	240	1645
5	300	1689
6	360	1718
7	420	1738
8	480	1758



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74808
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 792 FNL 1939 FEL		8. WELL NAME and NUMBER: MONUMENT FED 31-5-9-17
5. LOCATION OF WELL: OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNE, 5, T9S, R17E		9. API NUMBER: 4301331680
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

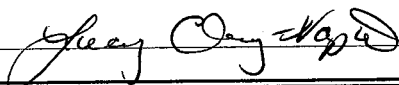
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Step Rate Test
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 08/04/2010			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on August 4, 2010. Results from the test indicate that the fracture gradient is .894 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1700 psi to 1910 psi.

EPA: UT20875-04531 API: 43-013-31680

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Administrative Assistant
SIGNATURE 	DATE 08/10/2010

(This space for State use only)

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AUG 16 2010

DIV. OF OIL, GAS & MINING

Step Rate Test (SRT) Analysis

Date: 08/09/2010

Operator:

Newfield Production Company

Well:

Balcron Monument Federal 31-5-9-17

Permit #:

UT20875-04531

Enter the following data :

Specific Gravity (sg) of injectate =	<u>1.015</u>	g/cc	
Depth to top perforation (D) =	<u>4204</u>	feet	4204
Top of permitted injection zone depth (blank=use top perforation to calculate sg) =		feet	
Estimated Formation Parting Pressure (P _{fp}) from SRT chart =	<u>1910</u>	psi	
Instantaneous Shut In Pressure (ISIP) from SRT =	<u>1934</u>	psi	1910
Bottom Hole Parting Pressure (P _{bhp}) from downhole pressure recorder =		psi	no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = 0.894 psi/ft.

where: fg = P_{bhp} / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1934

D = depth used = 4204

P_{bhp} used = 3758

Calculated Bottom Hole Parting Pressure (P_{bhp}) = 3758 psi

3757.637

to calculate Bottom Hole Parting Pressure (P_{bhp}) = Formation Fracture Pressure (ISIP or P_{fp}) + (0.433 * SG * D)

(Uses lesser of ISIP or P_{fp}) Value used = 1910

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

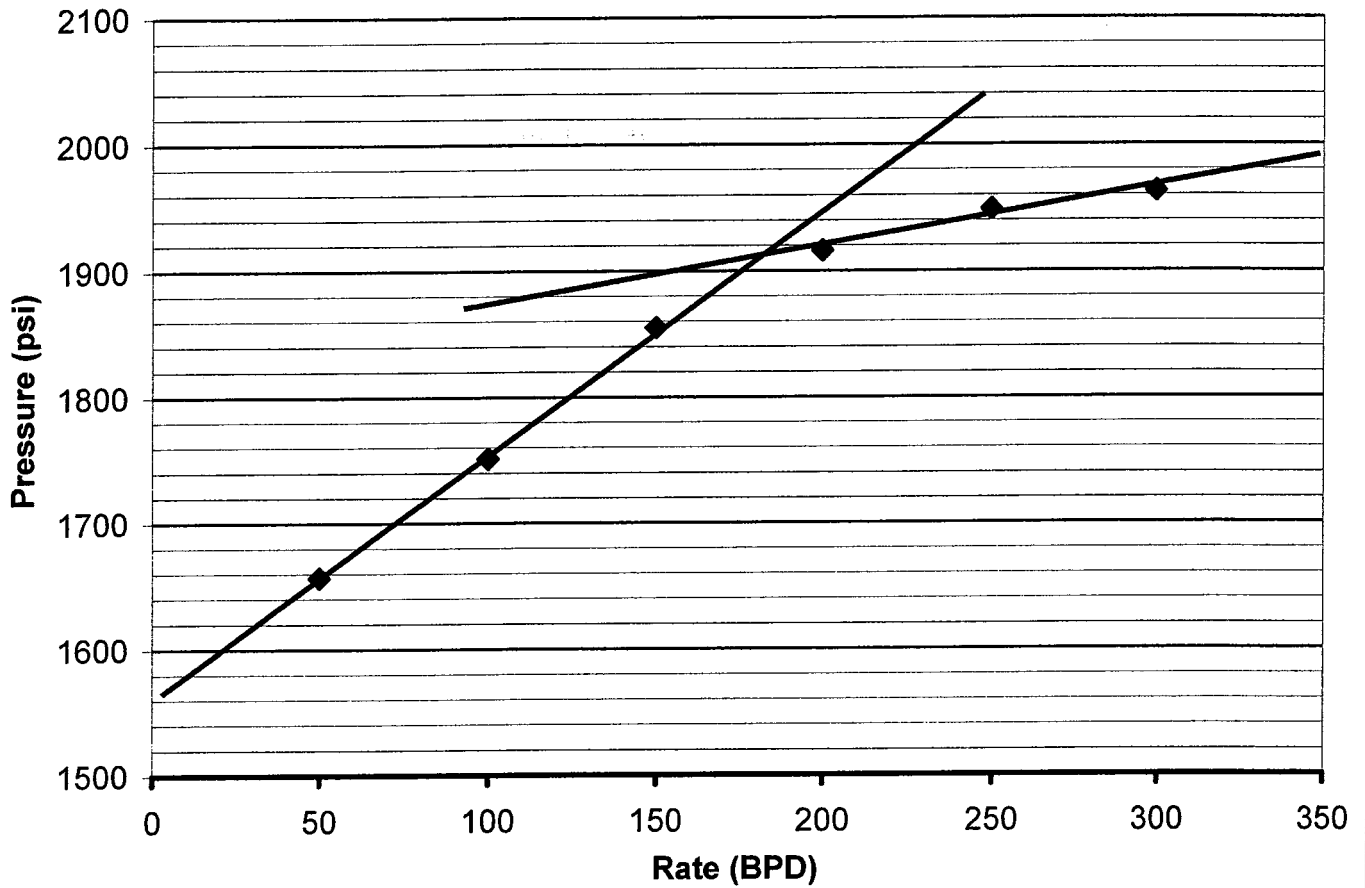
Maximum Allowable Injection Pressure (MAIP) = 1910 psi

D = depth used = 4204

MAIP = fg * (0.433 * SG) * D = 1910.739

(rounded down to nearest 5 psi)

**MonumentFederal 31-5-9-17
Greater Monument Butte Unit
Step Rate Test
August 4, 2010**



		Step	Rate(bpd)	Pressure(psi)
Start Pressure:	1590 psi	1	50	1657
Instantaneous Shut In Pressure (ISIP):	1934 psi	2	100	1751
Top Perforation:	4204 feet	3	150	1855
Fracture pressure (Pfp):	1910 psi	4	200	1916
FG:	0.894 psi/ft	5	250	1949
		6	300	1963

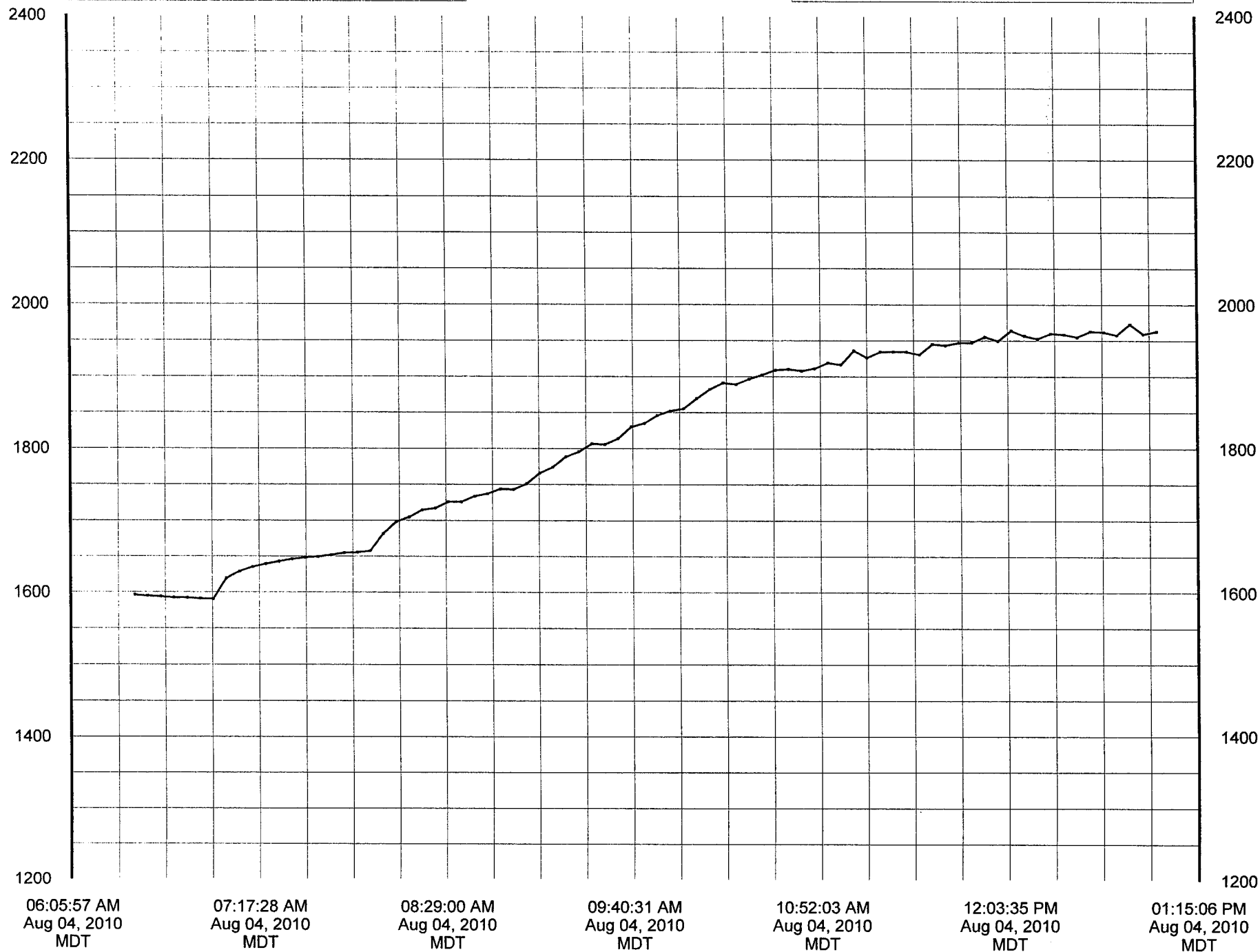
PSIA

Absolute Pressure

Monument Federal 31-5-9-17 SRT
(8-4-10)

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp

PSIA



Report Name: PrTemp1000 Data Table
 Report Date: Aug 04, 2010 03:33:47 PM MDT
 File Name: C:\Program Files\PTC® Instruments 2.00\Monument Federal 31-5-9-17 SRT (8-4-10).csv
 Title: Monument Federal 31-5-9-17 SRT (8-4-10)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Aug 04, 2010 06:30:01 AM MDT
 Data End Date: Aug 04, 2010 01:00:00 PM MDT
 Reading Rate: 2 Seconds
 Readings: 1 to 79 of 79
 Last Calibration Date: May 22, 2009
 Next Calibration Date: May 22, 2010

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Aug 04, 2010 06:30:01 AM	1596.000	PSIA
2	Aug 04, 2010 06:34:59 AM	1594.800	PSIA
3	Aug 04, 2010 06:40:00 AM	1594.000	PSIA
4	Aug 04, 2010 06:44:59 AM	1592.400	PSIA
5	Aug 04, 2010 06:50:00 AM	1592.200	PSIA
6	Aug 04, 2010 06:54:59 AM	1591.200	PSIA
7	Aug 04, 2010 07:00:00 AM	1590.400	PSIA
8	Aug 04, 2010 07:04:59 AM	1619.400	PSIA
9	Aug 04, 2010 07:10:00 AM	1628.600	PSIA
10	Aug 04, 2010 07:15:00 AM	1635.000	PSIA
11	Aug 04, 2010 07:19:59 AM	1639.200	PSIA
12	Aug 04, 2010 07:25:00 AM	1642.400	PSIA
13	Aug 04, 2010 07:29:59 AM	1645.800	PSIA
14	Aug 04, 2010 07:35:00 AM	1648.000	PSIA
15	Aug 04, 2010 07:39:59 AM	1649.200	PSIA
16	Aug 04, 2010 07:45:00 AM	1651.600	PSIA
17	Aug 04, 2010 07:49:59 AM	1654.400	PSIA
18	Aug 04, 2010 07:55:00 AM	1655.200	PSIA
19	Aug 04, 2010 08:00:00 AM	1657.200	PSIA
20	Aug 04, 2010 08:04:59 AM	1681.600	PSIA
21	Aug 04, 2010 08:10:00 AM	1698.400	PSIA
22	Aug 04, 2010 08:14:59 AM	1704.600	PSIA
23	Aug 04, 2010 08:20:00 AM	1714.400	PSIA
24	Aug 04, 2010 08:24:59 AM	1717.000	PSIA
25	Aug 04, 2010 08:30:00 AM	1725.800	PSIA
26	Aug 04, 2010 08:34:59 AM	1725.800	PSIA
27	Aug 04, 2010 08:40:00 AM	1733.600	PSIA
28	Aug 04, 2010 08:45:00 AM	1737.400	PSIA
29	Aug 04, 2010 08:49:59 AM	1743.800	PSIA
30	Aug 04, 2010 08:55:00 AM	1743.000	PSIA
31	Aug 04, 2010 08:59:59 AM	1751.000	PSIA
32	Aug 04, 2010 09:05:00 AM	1765.600	PSIA
33	Aug 04, 2010 09:09:59 AM	1773.800	PSIA
34	Aug 04, 2010 09:15:00 AM	1788.400	PSIA
35	Aug 04, 2010 09:19:59 AM	1795.400	PSIA
36	Aug 04, 2010 09:25:00 AM	1806.400	PSIA
37	Aug 04, 2010 09:30:00 AM	1805.600	PSIA
38	Aug 04, 2010 09:34:59 AM	1813.600	PSIA
39	Aug 04, 2010 09:40:00 AM	1830.200	PSIA
40	Aug 04, 2010 09:44:59 AM	1835.000	PSIA
41	Aug 04, 2010 09:50:00 AM	1846.000	PSIA
42	Aug 04, 2010 09:54:59 AM	1852.200	PSIA
43	Aug 04, 2010 10:00:00 AM	1855.400	PSIA
44	Aug 04, 2010 10:04:59 AM	1869.800	PSIA
45	Aug 04, 2010 10:10:00 AM	1882.600	PSIA
46	Aug 04, 2010 10:15:00 AM	1891.200	PSIA
47	Aug 04, 2010 10:19:59 AM	1889.200	PSIA
48	Aug 04, 2010 10:25:00 AM	1896.600	PSIA
49	Aug 04, 2010 10:29:59 AM	1902.400	PSIA
50	Aug 04, 2010 10:35:00 AM	1908.800	PSIA
51	Aug 04, 2010 10:39:59 AM	1910.000	PSIA
52	Aug 04, 2010 10:45:00 AM	1907.600	PSIA
53	Aug 04, 2010 10:49:59 AM	1911.000	PSIA
54	Aug 04, 2010 10:55:00 AM	1918.800	PSIA
55	Aug 04, 2010 11:00:00 AM	1916.200	PSIA
56	Aug 04, 2010 11:04:59 AM	1936.000	PSIA
57	Aug 04, 2010 11:10:00 AM	1926.200	PSIA
58	Aug 04, 2010 11:14:59 AM	1934.400	PSIA
59	Aug 04, 2010 11:20:00 AM	1934.800	PSIA

60	Aug 04, 2010 11:24:59 AM	1934.600	PSIA
61	Aug 04, 2010 11:30:00 AM	1930.600	PSIA
62	Aug 04, 2010 11:34:59 AM	1945.000	PSIA
63	Aug 04, 2010 11:40:00 AM	1943.400	PSIA
64	Aug 04, 2010 11:45:00 AM	1946.800	PSIA
65	Aug 04, 2010 11:49:59 AM	1947.200	PSIA
66	Aug 04, 2010 11:55:00 AM	1955.000	PSIA
67	Aug 04, 2010 11:59:59 AM	1949.400	PSIA
68	Aug 04, 2010 12:05:00 PM	1963.800	PSIA
69	Aug 04, 2010 12:09:59 PM	1956.400	PSIA
70	Aug 04, 2010 12:15:00 PM	1952.400	PSIA
71	Aug 04, 2010 12:19:59 PM	1959.600	PSIA
72	Aug 04, 2010 12:25:00 PM	1958.400	PSIA
73	Aug 04, 2010 12:30:00 PM	1954.800	PSIA
74	Aug 04, 2010 12:34:59 PM	1962.800	PSIA
75	Aug 04, 2010 12:40:00 PM	1961.800	PSIA
76	Aug 04, 2010 12:44:59 PM	1957.400	PSIA
77	Aug 04, 2010 12:50:00 PM	1972.800	PSIA
78	Aug 04, 2010 12:54:59 PM	1959.000	PSIA
79	Aug 04, 2010 01:00:00 PM	1962.600	PSIA

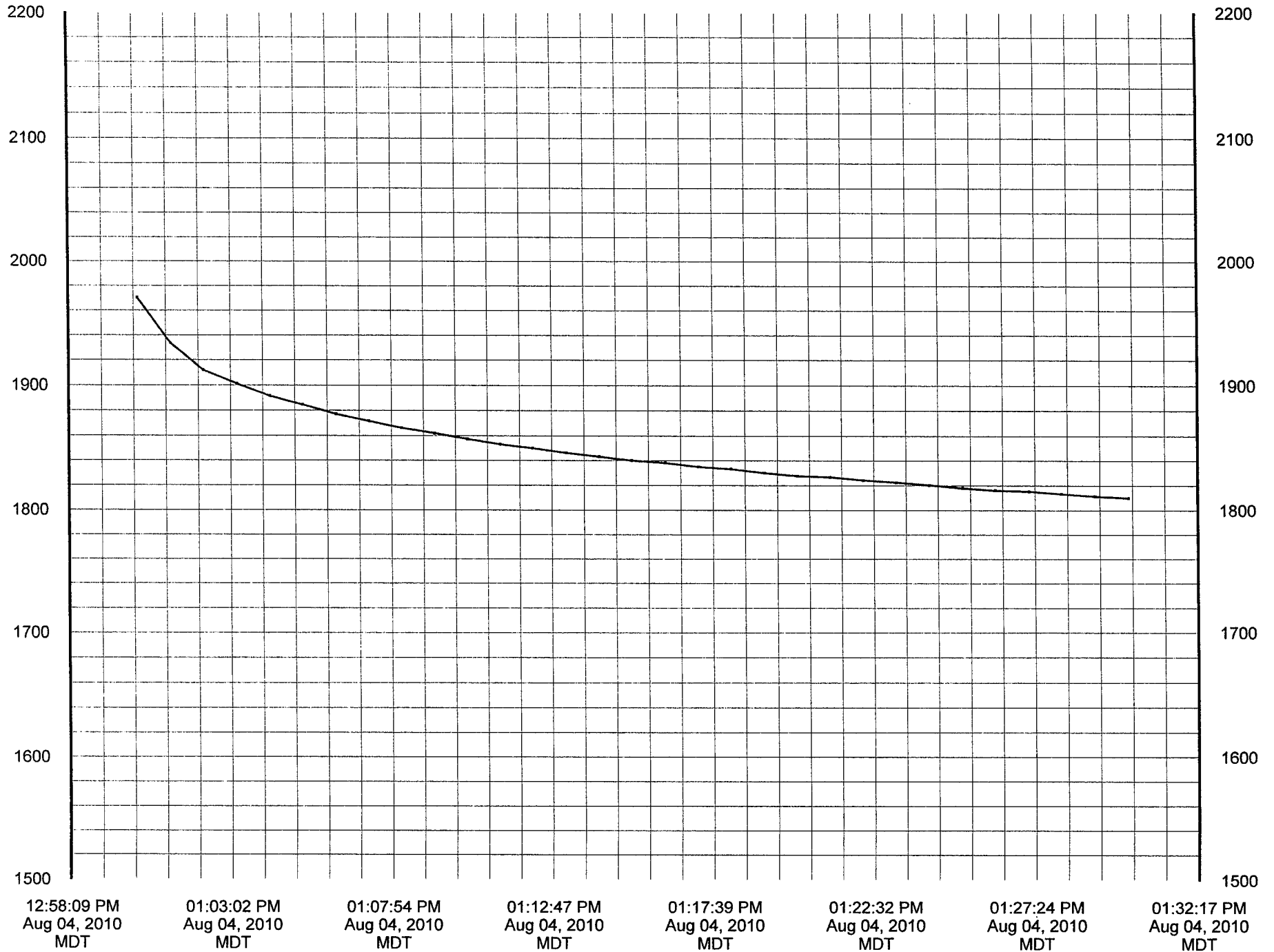
PSIA

Absolute Pressure

Monument Federal 31-5-9-17 ISIP
(8-4-10)

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp

PSIA



Report Name: PrTemp1000 Data Table
 Report Date: Aug 04, 2010 03:33:38 PM MDT
 File Name: C:\Program Files\PTC® Instruments 2.00\Monument Federal 31-5-9-17 ISIP (8-4-10).csv
 Title: Monument Federal 31-5-9-17 ISIP (8-4-10)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Aug 04, 2010 01:00:13 PM MDT
 Data End Date: Aug 04, 2010 01:30:13 PM MDT
 Reading Rate: 2 Seconds
 Readings: 1 to 31 of 31
 Last Calibration Date: May 22, 2009
 Next Calibration Date: May 22, 2010

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Aug 04, 2010 01:00:13 PM	1970.400	PSIA
2	Aug 04, 2010 01:01:13 PM	1933.600	PSIA
3	Aug 04, 2010 01:02:12 PM	1912.000	PSIA
4	Aug 04, 2010 01:03:13 PM	1901.200	PSIA
5	Aug 04, 2010 01:04:13 PM	1891.600	PSIA
6	Aug 04, 2010 01:05:12 PM	1884.600	PSIA
7	Aug 04, 2010 01:06:13 PM	1877.200	PSIA
8	Aug 04, 2010 01:07:13 PM	1871.600	PSIA
9	Aug 04, 2010 01:08:13 PM	1866.000	PSIA
10	Aug 04, 2010 01:09:13 PM	1861.800	PSIA
11	Aug 04, 2010 01:10:13 PM	1857.400	PSIA
12	Aug 04, 2010 01:11:13 PM	1853.200	PSIA
13	Aug 04, 2010 01:12:12 PM	1850.000	PSIA
14	Aug 04, 2010 01:13:13 PM	1846.200	PSIA
15	Aug 04, 2010 01:14:13 PM	1843.200	PSIA
16	Aug 04, 2010 01:15:12 PM	1840.200	PSIA
17	Aug 04, 2010 01:16:13 PM	1838.200	PSIA
18	Aug 04, 2010 01:17:13 PM	1835.000	PSIA
19	Aug 04, 2010 01:18:12 PM	1833.200	PSIA
20	Aug 04, 2010 01:19:13 PM	1830.000	PSIA
21	Aug 04, 2010 01:20:13 PM	1827.600	PSIA
22	Aug 04, 2010 01:21:12 PM	1826.600	PSIA
23	Aug 04, 2010 01:22:13 PM	1824.200	PSIA
24	Aug 04, 2010 01:23:13 PM	1822.400	PSIA
25	Aug 04, 2010 01:24:13 PM	1820.200	PSIA
26	Aug 04, 2010 01:25:13 PM	1818.000	PSIA
27	Aug 04, 2010 01:26:13 PM	1816.200	PSIA
28	Aug 04, 2010 01:27:13 PM	1815.400	PSIA
29	Aug 04, 2010 01:28:12 PM	1813.400	PSIA
30	Aug 04, 2010 01:29:13 PM	1811.400	PSIA
31	Aug 04, 2010 01:30:13 PM	1810.000	PSIA

Monument Federal 31-5-9-17 Rate Sheet (8-4-10)

Step # 1	Time	7:05	7:10	7:15	7:20	7:25	7:30
	Rate	50.5	50.5	50.5	50.4	50.4	50.4
	Time	7:35	7:40	7:45	7:50	7:55	8:00
	Rate	50.4	50.4	50.4	50.4	50.3	50.3
Step # 2	Time	8:05	8:10	8:15	8:20	8:25	8:30
	Rate	100.5	100.5	100.4	100.4	100.4	100.3
	Time	8:35	8:40	8:45	8:50	8:55	9:00
	Rate	100.3	100.3	100.3	100.2	100.2	100.2
Step # 3	Time	9:05	9:10	9:15	9:20	9:25	9:30
	Rate	150.4	150.4	150.4	150.3	150.3	150.3
	Time	9:35	9:40	9:45	9:50	9:55	10:00
	Rate	150.3	150.2	150.2	150.2	150.2	150.2
Step # 4	Time	10:05	10:10	10:15	10:20	10:25	10:30
	Rate	200.5	200.5	200.5	200.4	200.4	200.3
	Time	10:35	10:40	10:45	10:50	10:55	11:00
	Rate	200.3	200.2	200.2	200.2	200.1	200.1
Step # 5	Time	11:05	11:10	11:15	11:20	11:25	11:30
	Rate	250.4	250.4	250.4	250.4	250.3	250.3
	Time	11:35	11:40	11:45	11:50	11:55	12:00
	Rate	250.3	250.3	250.2	250.2	250.2	250.1
Step # 6	Time	12:05	12:10	12:15	12:20	12:25	12:30
	Rate	300.4	300.4	300.4	300.4	300.3	300.3
	Time	12:35	12:40	12:45	12:50	12:55	1:00
	Rate	300.3	300.3	300.3	300.3	300.2	300.2
	Time						
	Rate						
	Time						
	Rate						
	Time						
	Rate						
	Time						
	Rate						



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

SEP 20 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, UT 84502

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RE: Underground Injection Control (UIC)
Minor Permit Modification
Authorization to Continue Injection
EPA UIC Permit UT20875-04531
Well: Balcron Monument Federal 31-5-9-17
NWNE Sec. 5 T9S-R17E
Duchesne County, UT
API No.: 43-013-~~31860~~ 31680

Dear Mr. Guinn:

The Environmental Protection Agency (EPA), Region 8, has received Newfield Production Company's (Newfield) August 10, 2010, letter with enclosures requesting an increase in the Maximum Allowable Injection Pressure (MAIP) for the Balcron Monument Federal 31-5-9-17 well. Newfield's interpretation of the enclosed Step Rate Test (SRT) data concluded the fracture gradient to be 0.894 psi/ft. However, EPA's analysis of the data determined the fracture gradient to be 0.891 psi/ft., resulting in a calculated MAIP of 1,905 psig. Therefore, the MAIP for UIC Permit UT20875-04531 is hereby increased to 1,905 psig from the 1,700 psig previously authorized.

As of the date of this letter, EPA authorizes continued injection into the Balcron Monument Federal 31-5-9-17 well under the terms and conditions of UIC Permit UT20875-04531 at the MAIP of 1,905 psig.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a SRT that measures the fracture parting pressure and determines the fracture gradient at the injection depth and location. A current copy of EPA guidelines for running and interpreting a SRT will be sent upon request.

RECEIVED

OCT 12 2010

DIV. OF OIL, GAS & MINING

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA Region 8 UIC Technical Enforcement Program Office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing the well name and UIC Permit number on all correspondence regarding this well:


US EPA, Region 8
Attn: Nathan Wiser
MC: ENF-UFO
1595 Wynkoop Street
Denver, CO 80202

For questions regarding notification, testing, monitoring, reporting or other permit requirements, Nathan Wiser of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211). Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit.

If you have any questions regarding this approval, please call Tom Aalto at 303-312-6949 or 800-227-8917 (ext. 312-6949).

Sincerely,



 Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman
Frances Poowegup, Vice-Chairwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74808
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: MONUMENT FED 31-5-9-17
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 792 FNL 1939 FEL		9. API NUMBER: 4301331680
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNE, 5, T9S, R17E		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
COUNTY: DUCHESNE		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Five Year MIT
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 01/13/2011			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 01/05/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 01/13/2011 the casing was pressured up to 1140 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1578 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20875-04531 API# 43-013-31680

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant
SIGNATURE  DATE 01/14/2011

(This space for State use only)

RECEIVED

JAN 20 2011

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 01 / 13 / 2011
Test conducted by: Lynn Manson
Others present: _____

Well Name: <u>Monument Federal 31-5-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Butte</u>		
Location: <u>NW/NE</u> Sec: <u>5</u> T <u>9</u> N <u>15</u> R <u>17</u> <u>W</u> County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u> / _____	Maximum Allowable Pressure: _____ PSIG	

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

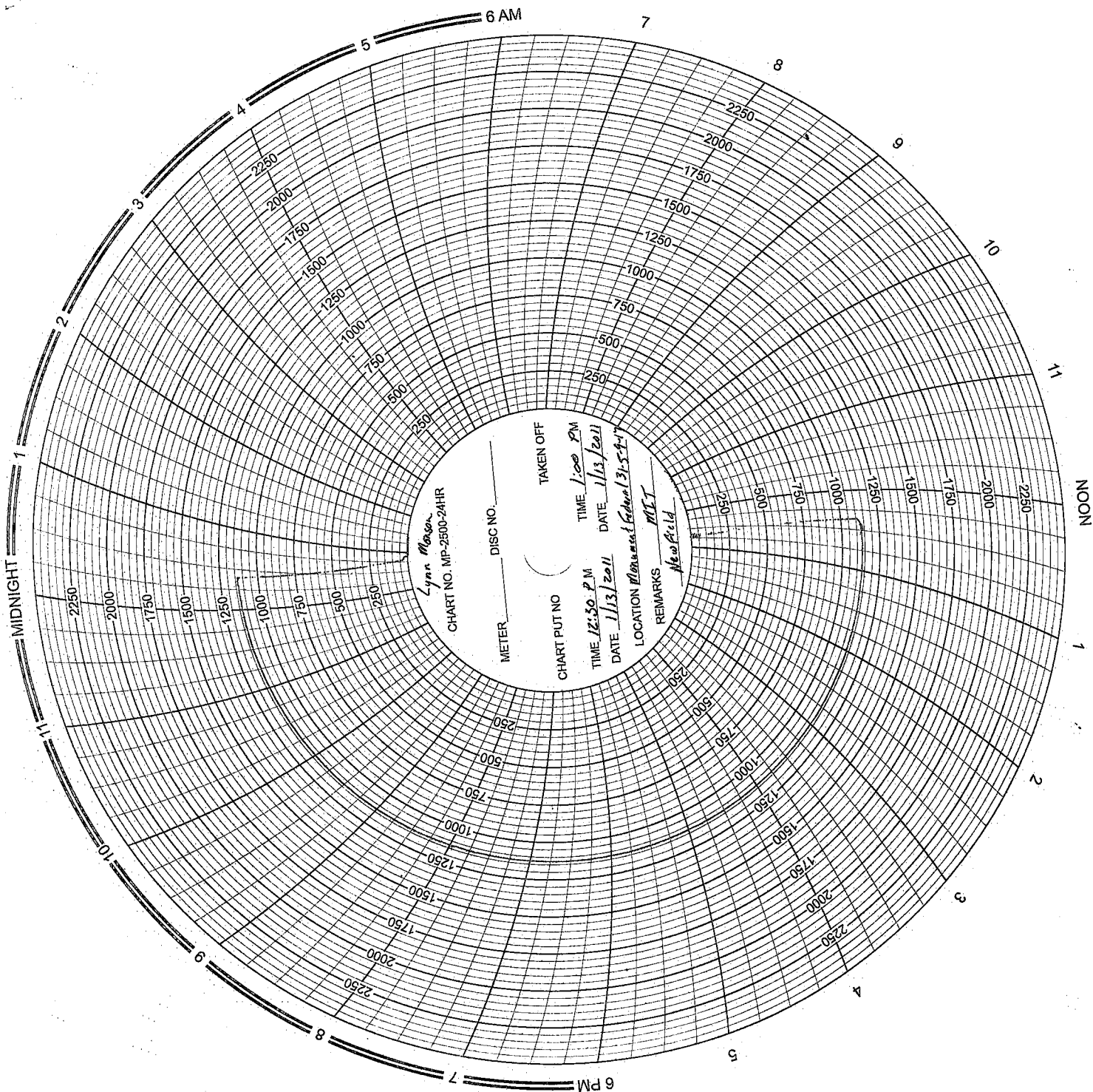
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1572</u> psig	psig	psig
End of test pressure	<u>1575</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1140</u> psig	psig	psig
5 minutes	<u>1140</u> psig	psig	psig
10 minutes	<u>1140</u> psig	psig	psig
15 minutes	<u>1140</u> psig	psig	psig
20 minutes	<u>1140</u> psig	psig	psig
25 minutes	<u>1140</u> psig	psig	psig
30 minutes	<u>1140</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74808
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: MON FED 31-5-9-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0792 FNL 1939 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 05 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013316800000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/4/2015	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 12/04/2015 the casing was pressured up to 1203 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1529 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04531		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874
SIGNATURE N/A		TITLE Water Services Technician
DATE 12/8/2015		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 08, 2015

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 12 / 4 / 2015
Test conducted by: EVERETT UNRUH
Others present: _____

Well Name: <u>MONUMENT FED. 31-5-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>MONUMENT BUTTE</u>		
Location: <u>NW NE</u> Sec: <u>5</u> T <u>9S</u> N <u>S</u> R <u>17</u> E/W County: <u>DUCHESSNE</u> State: <u>MT</u>		
Operator: <u>NEWFIELD</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u>1600</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 82 bpd

Pre-test casing/tubing annulus pressure: 1516 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1516</u> psig	psig	psig
End of test pressure	<u>1529</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1196</u> psig	psig	psig
5 minutes	<u>1198</u> psig	psig	psig
10 minutes	<u>1199</u> psig	psig	psig
15 minutes	<u>1201</u> psig	psig	psig
20 minutes	<u>1204</u> psig	psig	psig
25 minutes	<u>1204</u> psig	psig	psig
30 minutes	<u>1203</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

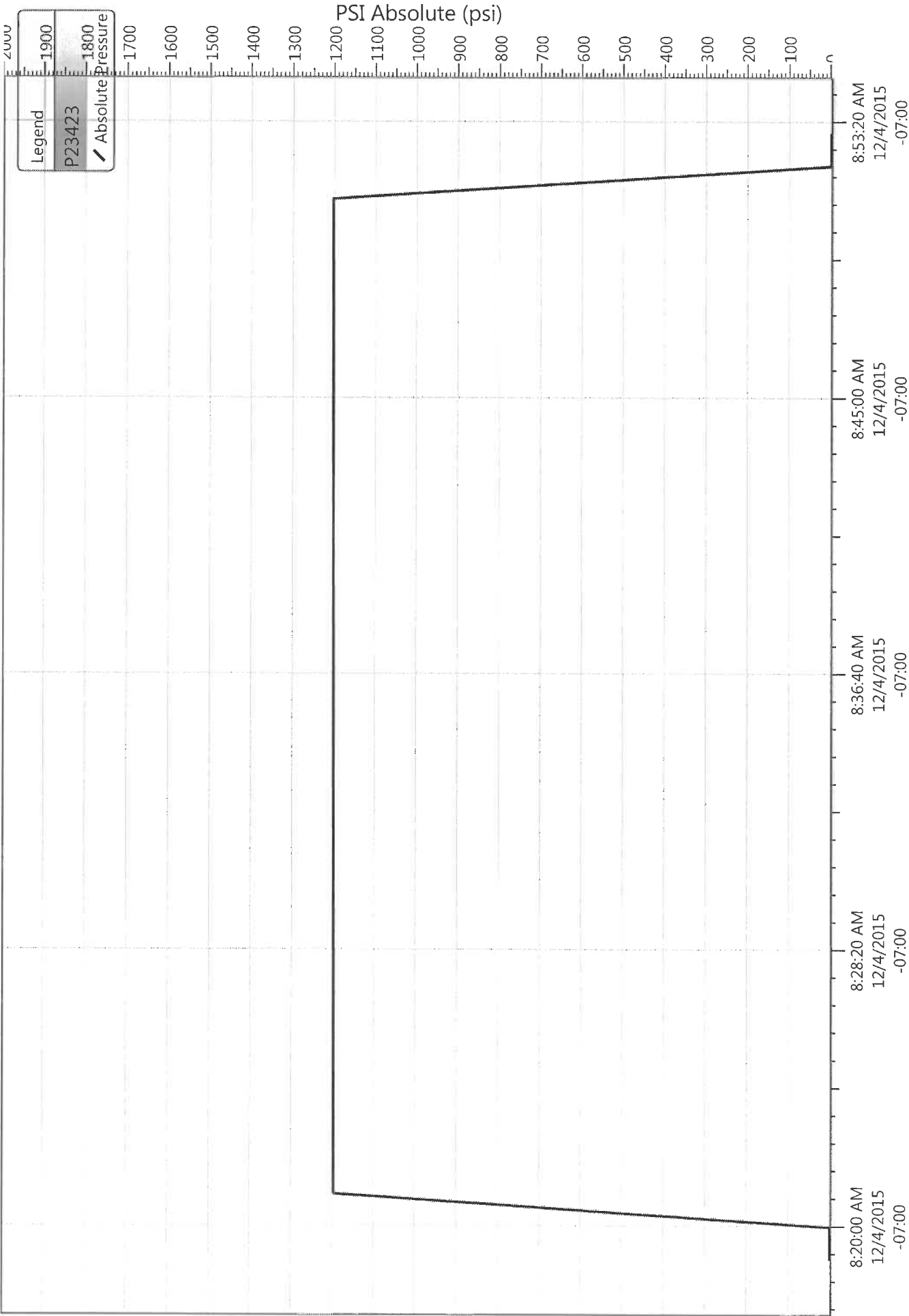
MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

Monument Federal 31-5-9-17 (12-4-2015, 5yr. MIT)

12/4/2015 8:18:16 AM



Balcron Monument Federal #31-5-9-17

Spud Date: 8-28-96

Put on Production: 10-1-96

GL: 5218' KB: 5228'

Initial Production: 83 BOPD,
23 MCFPD, 2 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 5 jts. (263.85')

DEPTH LANDED: 273.85' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sx Class "G", est 2 Bbls cmt to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: K-55

WEIGHT: 15.5#

LENGTH: 142 jts.

DEPTH LANDED: 5510' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 250 sx Class G & 475 sx 50-50 Poz

CEMENT TOP AT:

TUBING

SIZE GRADE WT.: 2-7/8" 6.5# M-50

NO. OF JOINTS: 132 jts (4112.74')

SEATING NIPPLE: 2-7/8" (1.19')

SN LANDED AT: 4,127' KB

TOTAL STRING LENGTH: EOT @ 4,134' KB

Injection Wellbore Diagram

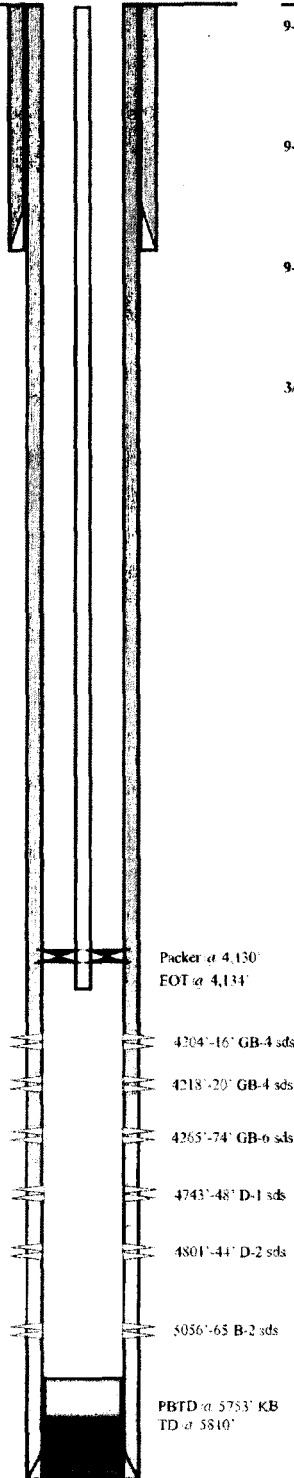
3/16/01 GBR IV

FRAC JOB

9-11-96	5056'-5065'	Frac sand as follows: 14,154 gal 2% KCL gelled water w 6,000# 20-40 and 29,400# 16-30 sand. Perfs broke @ 2900 psi. Treated w avg press of 2000 psi w avg rate of 24.6 BPM. ISIP-2170 psi, 5 min, 1820 psi.
9-16-96	4743'-4804'	Frac sand as follows: 13,860 gal 2% KCL gelled water w 37,000# 16-30 sand. Perfs broke @ 3600 psi. Treated w avg press of 2500 psi w avg rate of 34.8 BPM. ISIP-2630 psi, 5 min, 1980 psi.
9-16-96	4204'-4274'	Frac sand as follows: 25,830 gal 2% KCL gelled water w 93,700# 16-30 sand. Perfs broke @ 2600 psi. Treated w avg press of 2100 psi w avg rate of 34.8 BPM. ISIP-2170 psi, 5 min, 2050 psi.
3/7/06		5 Year MIT completed and submitted.

PERFORATION RECORD

9-10-96	5056'-5065'	4 JSPE	36 holes
9-14-96	4743'-4748'	2 JSPE	2 holes
9-14-96	4801'-4804'	2 JSPE	2 holes
9-17-96	4204'-4216'	2 JSPE	24 holes
9-17-96	4218'-4220'	2 JSPE	4 holes
9-17-96	4265'-4274'	2 JSPE	18 holes



NEWFIELD

Balcron Monument Federal #31-5-9-17
792 FNL 1939 FEL
NWNE Section 5-T9S-R17E
Duchesne Co. Utah
API #43-013-31680, Lease #UTU-74808